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STORAGE

MAR

DEPARTMENT OF MARINE AND FISHERIES, CANADA.
METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXVIII. DECEMBER, 1914 No. 12

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

HIGH AREAS.

Nine areas of high pressure were charted. Seven first appeared over or in close proximity to the Yukon Territory, one in the interior of British Columbia, and one on the Middle Pacific States coast. The general track of the areas was a little to the southward of the Great Lakes, thence to the New England States and the Maritime Provinces. The systems were for the most part important, widespread and persistent, and attended by much cold weather, the temperature over the Dominion for the month being well below the usual average.

LOW AREAS.

Eleven areas of low pressure were charted. Four first appeared in the far northwestern portion of the continent, one near the west coast of Hudson's Bay, four in the southwestern portion of the continent, one in the Central States, and one near Cuba. Four of the areas passed to the northward of, two over and four to the southward of the Great Lakes, thence in nearly all cases to the Gulf of St. Lawrence and Newfoundland. The eleventh area dispersed after reaching Manitoba. Many of the systems were quite pronounced, especially after arriving over the eastern portion of the continent when strong breezes and gales were experienced over the Maritime Provinces and Newfoundland.

ATMOSPHERIC PRESSURE.

The difference from normal mean monthly pressure were as follows: Dawson, +.38; Barkerville, +.12; Victoria, +.02; Kamloops, +.09; Edmonton, +.14; Battleford, +.22; Prince Albert, +.17; Swift Current, +.13; Qu'Appelle, +.17; Minnedosa, +.20; Winnipeg, +.18; Port Arthur, +.16; White River, +.14; Parry Sound, +.12; Southampton, +.10; Port Stanley, +.09; Toronto, +.11; Kingston, +.12; Stonecliffe, +.10; Ottawa, +.10; Montreal, +.12; Quebec, +.12; Father Point, +.13; Charlottetown, +.14; Chatham, +.16; Yarmouth, +.15; Halifax, +.16; Sydney, +.14; St. John, +12; St. John's, +.02; Prospect Fort, Bermuda, 00.

GENERAL SYNOPSIS OF TEMPERATURE AND PRECIPITATION.

The following table is intended to show the average values of temperature and precipitation for each province for the month under review. District and Provincial means would, under ideal conditions, be derived from stations situated in equi-areal squares. But since in reality they are so situate as to appear, rather, constellation-wise upon the map, anomalous values arising from local topographical peculiarities may have received more than their just weight in the computation of the following averages.

Where no difference from normal is assigned, observations over a period long enough for reference are not available.

PROVINCE AND DISTRICT.	Temperature (Fahr.).						Precipitation.				STATION DIFFERENCES FROM NORMAL TEMPERATURE
	Mean Daily.	Mean Daily Maximum.	Mean Daily Minimum.	Mean Daily Range.	Extreme Highest.	Extreme Lowest.	Total in Inches.	Difference from Normal.	Number of Days.	Greatest Fall.	
British Columbia—											
South Vancouver Island....	37	42	32	10	53	17	2.65	% —70	11	3 64	—1° to —3°
North Vancouver Island....	37	41	32	9	54	21	4.50	—70	13	1.37	—4°·5
Lower Fraser River........	33	38	28	10	50	— 8	2 00	—70	9	1.20	—2° to —5°
Upper Fraser River.......	12	18	5	13	46	—25	1.15	—25	5	1.00	—7° to —11°
Okanagan and Similkameen Valleys	21	27	15	12	44	—12	0.90	—25	8	0.50	—4° to —9°
West Kootenay.....	21	27	16	11	40	—19	1.55	—60	9	0 65	—5° to —7°
East Kootenay.............	12	20	5	15	43	—18	0.80	—45	6	0.62	—10° to —14°
Thompson River...........	21	27	16	11	47	—11	0.84	—45	8	0.33	—5° to —10°
North Columbia River.....	13	19	7	12	37	—19	1.20	—65	7	0.70	—8° to —11°
North Coast................	26	30	22	8	47	— 1	3 25	....	8	2.67	—4° at Bella Coola
Queen Charlotte Islands....	36	40	31	9	45	21	3.54	—40	12	0.85	—4°
Alberta—											
North Saskatchewan River.	6	15	— 3	18	40	—35	1.20	+55	8	0.90	—7° to —12°
The Red Deer River.......	9	19	— 1	20	40	—32	1.05	+70	8	0.80	—8°
The Bow River............	10	16	4	12	48	—25	0.90	+140	6	0.50	—5° to —18°
Athabasca River...........	....	....	....	....	....	....	....	....	....	....	
Peace River................	....	....	....	....	....	.. .	....	....	....	....	
Saskatchewan—											
Qu'Appelle River...........	3	11	— 5	16	44	—39	0.40	— 25	5	0.25	—4° to —7°
S. Saskatchewan River.....	8	16	0	16	43	—26	0.75	— 20	8	0 40	—4° to —8°
N. Saskatchewan River.....	4	11	— 3	14	35	—35	0.85	+ 30	7	0.55	—2° to —3°
Saskatchewan Forks........	2	8	— 4	12	27	—40	0.55	— 10	7	0 22	—3° to —7°
Lower Saskatchewan River.	—1.5	5	— 8	13	32	—41	...	....	....	....	
Manitoba—											
Qu'Appelle and Assiniboine Rivers.................	3	11	— 5	16	33	—33	0.35	—55	4	0.25	—3° to —8°
The Red River.............	1	10	— 8	18	32	—34	1.45	+115	4	1 60	—6° to —9°
Dauphin Lake and River...	0	7	— 7	14	37	—30	0.35	....	4	0.30	
Ontario—											
Lake Superior Districts—											
Rainy River......	3	11	— 5	16	42	—38	0 75	...	5	0.50	—7° at Kenora
Thunder Bay............	6	14	— 2	16	46	—41	1.20	—65	8	1.20	—3°
Algoma..................	8	19	— 4	23	49	—46	1.50	—20	8	0.60	—4° at White River
Nipissing.......	9	19	— 1	20	50	—38	1.50	—15	10	0.53	0° at Haileybury
Upper Ottawa River........	14	22	6	16	50	—40	1.55	—30	7	0.40	—1° to +1°
Upper St. Lawrence and Ottawa Rivers............	20	28	12	16	54	—33	2.35	—15	10	1 40	0° to —2°
Georgian Bay Counties.....	20	28	12	16	62	—43	4.30	00	13	1.40	0° to —2
Lake Huron Counties......	24	29	18	11	57	—15	2.55	—25	15	1.00	—1° to —4°
Lakes St. Clair & Erie, Niagara Peninsula..........	25	31	18	13	65	—25	2.05	—20	10	0.60	—3° to —6°
West Central Counties......	22	28	15	13	57	—22	2.25	—30	10	1.01	—2° to —4°
Lake Ontario Counties......	23	29	17	12	58	—26	1.80	—20	8	1.09	—1° to —3°
East Central Counties.......	19	28	9	19	56	—44	2.05	—30	9	1.20	0° to —3°
Quebec—											
Middle St. Lawrence.......	15	24	6	18	57	—44	2.15	—40	9	1.20	—1°
Lower St. Lawrence & Gulf.	15	23	7	16	47	—24	1.40	—60	7	0.70	0° to—1°
Lake St. John..............	6	14	— 2	16	47	—41	1.70	....	7	0.65	
Upper St. Maurice..........	8	19	— 3	22	41	—48	2.55	..	9	0 85	
Northwestern Districts.....	10	18	2	16	49	—43	1.53	—30	8	0.75	+1° at Abitibi
New Brunswick—											
All Stations...............	19	28	11	17	54	—28	2.00	—35	6	1.23	0° to —3°
Nova Scotia—											
All Stations...............	25	32	17	15	60	—30	3.10	—35	9	1.99	—1° to —5°
Prince Edward Island—											
All Stations...............	23	29	17	12	50	—10	1.80	—58	8	0.65	—2°

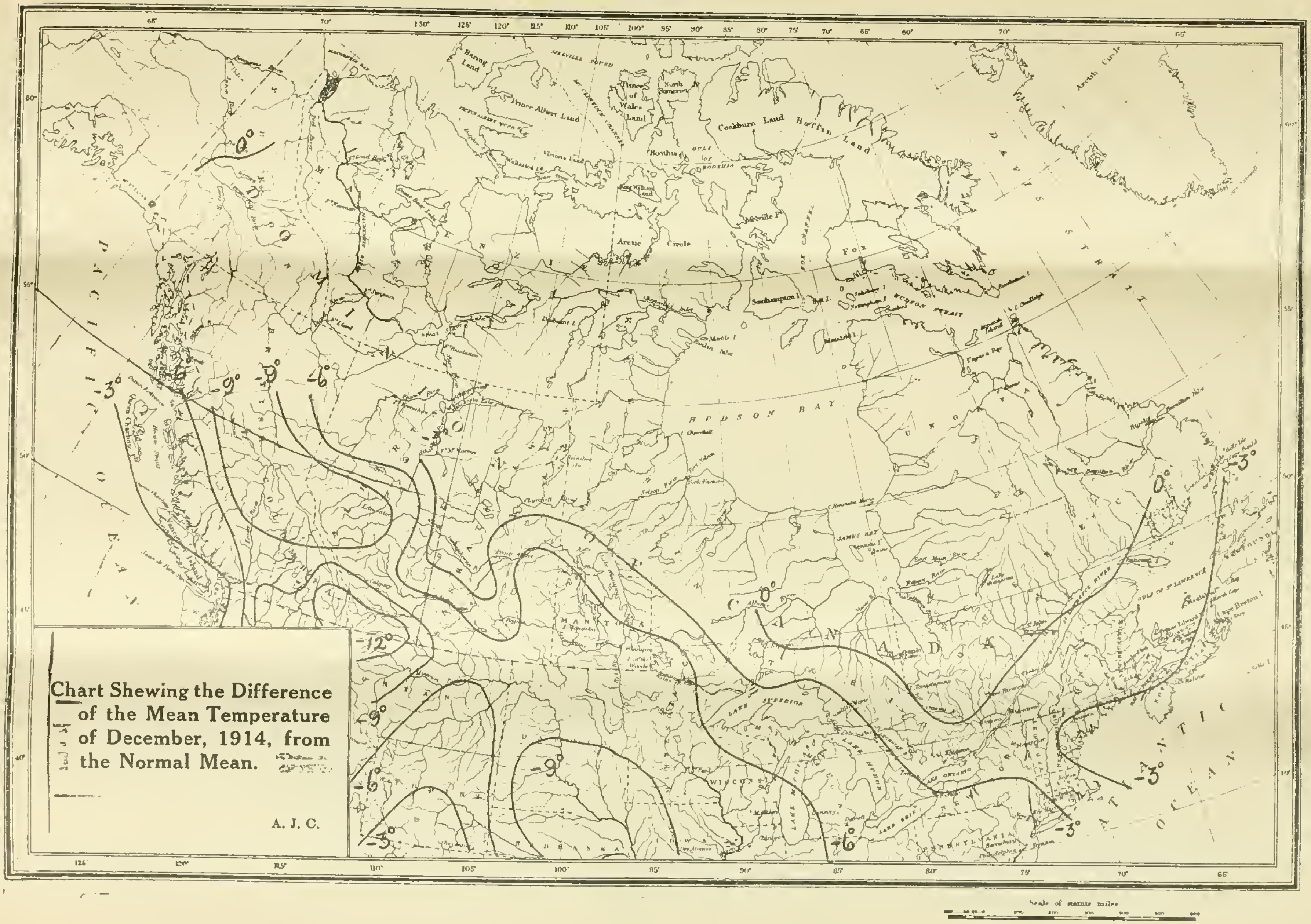

Chart Shewing the Difference of the Mean Temperature of December, 1914, from the Normal Mean.

A. J. C.

WINDS, DECEMBER, 1914

PROVINCES AND STATIONS.	Total Mileage.	Greatest Mileage in 24 hours.	Greatest Mileage in 1 Hour			Number of Days of			GENERAL DIRECTION.
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
BRITISH COLUMBIA.									
*c*Atlin	4734	346	22	SE	16	...	1	...	NE
Prince Rupert	...	...	...	...	...	...	...	...	
Victoria	8521	591	49	SE	1	2	5	8	N,NE
Point Garry	3539	232	28	NW	28	...	1	1	E
Vancouver	2021	141	12	SE	1	...	...	...	E
Kamloops	939	62	9	S	16	...	...	...	SW
Entrance Island	10548	712	39	E	2	4	7	10	E,W
Tranquille	1772	169	17	W	19	...	...	...	NE
ALBERTA.									
Edmonton	...	...	...	...	...	...	...	...	
Calgary	2501	245	19	NW	27	...	1	8	
SASKATCHEWAN.									
Battleford	...	...	...	...	...	...	...	...	
Prince Albert	...	...	...	...	...	...	...	...	
Swift Current	7767	504	40	NW	31	4	12	10	
Qu'Appelle	5393	402	26	NW	18	...	7	8	NW
MANITOBA.									
Le Pas	5593	370	26	W	18	...	5	14	W
Winnipeg	7156	423	25	NW	1-12	...	8	17	
ONTARIO.									
Port Arthur	7615	517	30	NW	13	1	8	14	NW,W
White River	3529	299	17	W	21	...	...	13	
Cochrane	6073	442	23	NW	15	...	5	14	
Parry Sound	7313	453	30	SW	15	1	10	10	SW,NW
Southampton	10957	681	42	NW	14	4	16	9	NW,E
Pelee Island	...	...	...	...	...	...	...	...	
Woodstock	9619	509	39	SW	29	1	16	11	SW,NE
Toronto	12365	676	40	SW	14	8	15	8	SW
*a*Kingston	8906	624	39	SE	21	6	13	5	SW
Stonecliffe	1779	175	18	W	22	...	...	5	
Ottawa	...	...	...	...	...	...	...	...	
*b*Guelph	9115	566	...	...	...	...	...	...	W,NE
Long Point	16123	829	55	NW	14	18	10	2	NW
QUEBEC.									
Montreal	11896	639	...	...	...	...	...	...	NW,NE
Sherbrooke	...	...	...	...	...	...	...	...	
Quebec	9996	730	48	NE	14	8	11	10	SW,NE
Father Point	12873	1031	59	SW	15	10	14	2	W,NW
Anticosti, SW	...	...	...	...	...	...	...	...	
Harrington	...	...	...	...	...	...	...	...	
NEW BRUNSWICK									
Pt. Escuminac	11963	732	54	SE	14	14	11	6	NW
Fredericton	5969	486	34	W	23	2	6	10	W,NW
St. John	11031	666	50	E	14	11	10	9	W,NW
Pt. Lepreaux	15089	910	55	SE,NW	14-23	15	11	5	NW
NOVA SCOTIA									
Yarmouth	10515	653	38	SW	14	6	12	11	NW
Wolfville	8994	594	48	SE	13	5	13	9	W
Halifax	9770	600	42	SW	14	5	12	12	NW,NE
Sable Island	17449	1065	59	NE	10	18	16	2	
Flat Point	15205	860	45	NW	16-22	...	...	...	NW
PRINCE EDWARD ISLAND									
Charlottetown	6821	442	30	SE	14	1	8	14	W

a Record for 29 days. *b* Record for 28 days. *c* Record for 23 days.

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA. DEC., 1914.

*Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE.								PRECIPITATION.							
				Mean.	Difference from average.	Yr's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
BRITISH COLUMBIA—	° ′	° ′																	
S. Vancouver Island																			
Alberni (Beaver Creek)	49 15	124 49	300	34.4	— 2 8	19	53.0	9	22.0	18–19	11 3	2 51	—8 11	0.74	11	20			
Clayoquot	49 11	125 55	27	41 2	— 1.0	15	52.0	9	29.0	11–17	10.0	7.44	—8.95	1.85	18	13	..	..	..
Clo-oose	49 40	124 50	.....	39 1	—	3	49.0	9–31	26 0	13–20	13 0	5.87	—	1.45	14	17	..	..	..
Cobble Hill	......	......	33	35.2	—	2	48.0	8	21.0	13–14	10.0	1.02	—	0.37	9	22	..	..	..
Cowichan (Tzouhalem)	48 25	123 42	170	36 0	— 2.8	8	48.6	12	18 5	18	10.4	1.63	—5.43	0.48	11	20	..	..	..
Departure Bay	49 40	124 0	.....	36.4	—	2	44.6	7	23 8	14	8.9	1.71	—	0.70	12	19	..	..	..
Entrance Island	......	......	.....	40 3	—	1	49 9	1	31 5	13	5.4	1.91	—	0.60	9	22	..	..	..
Gillis Bay	49 40	124 32	.....	33.9	—	2	46.0	29	22.0	16–21	8.9	1.96	—	0.40	9	22	..	..	..
James Island	......	......	.....	40.6	—	1	49 0	7	30.0	13	6 7	0.89	—	0.25	7	24	..	..	..
Ladysmith	48 57	123 39	...	35.3	—	2	46 0	1–31	20.0	20	10.5	1.69	—	0 39	10	21	.	..	..
Lazo (Little River)	49 44	124 54	12	34.2	—	1	43 0	3–30	20 0	17–18	10.0	6 69	—	3.64	10	21	..	..	..
Nanaimo	49 10	123 37	125	36.9	— 2.3	14	46.2	7	22.7	18	8.7	2.16	—5 01	0.80	12	19	..	..	2
Nanoose Bay	49 17	124 12	130	35 2	—	3	46.0	31	22.0	17	10.8	1 44	—	0.59	11	20	..	..	..
Qualicum Beach	......	......	.....	32.1	—	2	46 0	31	17 0	16–17	12 4	1 07	—	0.50	6	25	..	..	3
Salt Spring Island	48 50	123 20	.....	35.9	—	6	46.0	7	24 0	13–20	7 5	1 77	—4.50	0.56	10	21	..	..	2
Shawnigan Lake	48 37	123 41	.....	33.9	—	2	44.0	30	20 0	12–13	9.3	1.75	—	0.41	10	21	..	..	..
Sidney	48 27	123 27	200	37.9	—	1	48 5	2	27.5	13	7.4	1.21	—	0.40	10	21	..	..	1
Sooke	48 41	123 44	25	38.3	—	4	51.0	10	24 0	18	10 8	1 42	—	0.46	9	22	..	..	..
Ucluelet	......	......	.....	37.8	—	1	50.0	9	23.0	15–16	10.9	8.24	—	1 89	15	16	..	..	..
Victoria	48 24	123 19	85	39.6	— 3.2	22	49.1	7	29.9	12–13	6.8	0.59	—5.68	0.21	10	21	...	..	..
N. Vancouver Island																			
Alert Bay	50 33	127 0	.....	38 1	—	2	48.0	24	28.0	12–13	6.2	2.74	—	1.03	12	19	..	..	..
Campbell Lake	......	......	.....	......	......	..	....	....	......	.....	....	......	......	....	..	..	..	..	..
Holberg	50 39	128 18	.....	36.2	—	6	54.0	6	26.0	20–21	9.7	5.57	—	1.38	14	17	..	..	..
Mary Island	......	......	.....	36.5	—	1	49.0	20	27.0	12–13	7.8	4 60	—	1.37	14	17	..	..	..
Quatsino	50 32	127 40	.....	35.8	— 4.5	19	47.0	30	21.0	12	11 8	5.18	—12.16	0 91	14	17	..	..	..
Triangle Island	50 52	129 5	680	......	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Lower Fraser River																			
Agassiz	49 14	121 31	62	35.2	— 2 0	24	49.0	2–8	16.0	21	12.9	0.53	—6.84	0.18	5	26			
Britannia Beach	40 39	123 5	165	37 0	—	2	50.0	8	24.0	14	6.4	2.45	—	0.65	9	22	.	..	..
Chilliwack	49 10	121 57	21	34 1	— 3.2	12	49 0	7	14 0	21	10.0	2 08	—6.63	0.63	9	22	..	..	1
Hope	49 25	121 25	500	29 8	—	5	42.0	1	13.5	16	8.3	1.70	—	1 20	5	26	..	..	..
Ladner	49 05	123 4	.....	34.5	— 4 0	14	49.0	4	17.0	17	10 1	0 95	—3.95	0 20	7	24	..	..	..
New Westminster	49 13	122 54	330	35.1	— 2.5	27	49.2	7	18 3	17	9.6	2.44	—5.57	0.77	10	21	..	..	..
North Nicomen	49 12	122 2	60	34 6	— 3.9	21	49.0	7	16 0	16	11 1	2 70	—6.97	0.90	11	20	..	..	..
Pemberton Hatchery	50 20	122 33	.....	27 3	—	7	37 0	7	7 0	18	5.7	0.98	—	0.60	7	24	..	..	..
Pemberton Meadows	50 29	122 40	.....	20.8	—	2	40 0	31	— 8 0	16	13 2	1.65	—	1.00	5	26	..	..	6
Ruskin (Stave Falls)	49 16	122 23	126	33 7	—	6	50.0	10	12 0	16	13.2	3 13	—	1 15	11	20	..	..	2
Steveston (Garry Point)	49 21	123 17	.....	34.2	— 4 8	19	48 0	8	17.0	17	11.5	2.59	—2.72	0 56	10	21	..	..	1
Vancouver	49 17	123 5	136	36.4	— 2.5	14	48.8	7	20 8	16	8 6	2 84	—1.72	0 65	14	17	..	..	4
Upper Fraser River																			
Babine Lake	55 38	128 26	.....	......	......	..	....	....	......	.....	....	......	......	....	..	..	..	..	..
Barkerville	53 02	121 35	4180	11.8	— 9.4	26	32.0	23	— 8 0	11–15	10.1	3 10	—0 31	1.00	9	22	..	..	..
Chilcotin (Big Creek)	51 40	120 50	3100	13.6	— 7.2	11	46.0	2	—20.0	16	18.7	0.40	—0.46	0.20	3	28	1	..	..
Cranberry Lake (South Frk)	119 20	52 50	2400	......	......	..	....	.....	......	.....	....	.....	......	....	..	..	..	..	..
Fifteen Mile Ranch (Pavilion)	50 40	120 50	.....	18 8	—	2	37.0	23	— 6 0	16	9.0	0 45	—	0.18	5	26	..	..	..
Fort George	......	......	.....	8.4	—	3	32.0	22	—25.0	11–14	8 8	1 38	—	0 68	4	27	..	..	..
Fort St. James (Stuarts Lake)	54 28	124 12	2280	7.2	— 9.7	21	35.0	23	—25.0	13–14	19.1	0.78	—0.77	0.28	5	26			
Hydraulic	52 42	122 6	.....	......	......	..	....	.....	......	.....	....	......	.....	..	..	..	..	..	..
New Hazleton	......	......	.....	8 2	—	1	35.0	22	—12.5	13	11.1	1.17	—	0 40	6	25	..	..	..
Quesnelle	52 59	122 30	1700	13.2	—11.2	19	34 0	31	—14 0	13	11.7	0.80	—0.12	0 70	2	29	..	..	..
Okanagan and Similkameen Valleys																			
Duck Lake Ranch	50 3	119 20	1400	......	......	2	....	.....	......	.....	....	......	......	....	..	..			
Hedley	19 36	120 10	1771	19.7	— 8 8	11	38.0	2	0 0	20	11 6	1 15	+0.45	0.29	10	21	..	..	..
Hedley (Nickel Plate)	49 20	119 59	4500	15.9	— 6.3	11	38.0	4	— 7 0	19	18 1	1.95	—	0.50	8	23	..	..	..
Keremeos	49 15	120 0	1372	20 2	— 8.3	6	40.0	1	— 1.5	21	10.7	0 65	—0 77	0 25	6	25	..	..	..
Kelowna (Bankhead Crc'd)	......	......	.....	25 4	—	1	43.9	1	5.5	20	9 9	0.45	—	0.14	6	25	..	..	..
Kelowna (Okanagan Mission)	49 15	119 29	1200	26.0	— 4.3	15	41 0	3–4	6.0	20	9.3	0 48	—0.90	0.16	7	24	.	..	..
Penticton	49 29	119 35	.....	26 1	— 5.8	8	42.5	2	5 0	15	10 6	0 76	+0.01	0 31	12	19	..	..	..
Princeton	49 29	120 29	1650	15 8	— 6.7	20	39.0	3	—12 0	12–20	16.7	0.96	—0.58	0 26	9	22	..	..	..
Richlands	50 18	118 35	.....	18 6	—	2	39 0	1–4	— 6.0	16–17	14.0	0.73	—	0 18	7	24	..	..	..
Summerland	49 36	119 40	1100	21.5	—	8	38 0	1–3	4 0	15–21	11.6	0 82	—	0 25	5	26	..	..	..
Vernon (Coldstream Ranch)	50 14	119 15	1582	21.3	— 6.5	20	40.0	1	4.0	12–17	11.4	1.15	—0.12	0 30	9	22	..	..	..
West Kootenay																			
Boswell	49 19	116 41	.....	26.1	—	1	39.0	4–31	8 5	17	9.8	1.76	—	0.50	8	23			
Crawford Bay	49 45	116 45	2000	24.2	— 6.0	5	38 0	6–31	5 0	17–19	12.4	1.87	—	0 33	9	22	..	..	..
Creston	49 6	116 33	1985	20.6	—	3	38.0	3	0.0	16	11.6	0 79	—	0.30	9	22	..	..	1
East Arrow Park	...	....	1413	24 0	—	1	38.0	2	6 0	20	8.4	1 80	—	0 35	8	23	..	..	..
Fauquier	49 54	118 6	.....	......	......	2	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Grand Forks	49 2	118 27	1746	14.5	—	4	38 0	3	—11.0	13	11 3	1.70	—	0.43	12	19	..	..	..
Greenwood	49 1	118 6	2400	13.3	—	3	40.0	5	—19.0	15	19.4	1 85	—	0.40	10	21	..	..	..
Howser	50 18	117 0	.....	......	......	3	....	...	......	.....	..	......	......	....	..	..	..	..	..
Kaslo	49 52	117 0	1752	18 8	—	7	38 0	4	— 9 0	10–18	15 4	2 20	—	0.50	7	24	..	..	..
Nakusp	50 14	117 49	.....	22.3	—	3	35 0	2–3	7 0	18	6.3	1 58	—	0.38	13	18	..	..	..
Nelson	49 29	117 21	1700	23.6	— 6.9	11	38.0	3–4	3 0	20	9.8	0.70	—1.84	0.20	5	26	..	..	..
Pend d'Oreille (Waneta)	.....	.....	2260	18 5	—	2	36.0	4	— 5.0	16	13 5	1 43	—	0.30	9	22	..	..	..
Perry Siding	49 5	117 48	1700	22.2	—	2	37.0	3–4	2.0	13	9 2	1 21	—	0 42	16	15	..	..	..
Rossland	49 5	117 48	3400	20.4	— 4 8	11	33 0	2–3	4 5	17	5 6	1 74	—1.78	0 65	9	22	..	..	..
Westley	49 20	117 45	1414	26.6	—	1	39.5	3	9.0	14	9 0	1.42	—	0.64	7	24	.	..	6
East Kootenay																			
Cranbrook	49 30	115 50	.....	10.4	— 9.8	6	35 0	1–4	—18 0	16	15 9	0 80	—0 77	0.30	3	28			
Fernie	49 30	115 3	3305	11.8	—	1	37 0	31	—14 0	15–18	16 2	1 81	—	0 62	14	17	..	..	3
Fruitlands (Elko)	49 1	115 6	2684	14.9	—13.6	19	43 0	3	— 9.9	16–18	11 3	0 80	—0.45	0 20	4	27	1	..	..
Gateway	......	......	.....	12 2	—	1	43 0	5	—15 0	16–20	16 4	0 40	—	0.20	2	29	..	..	1
Invermere	50 30	116 2	2650	11.9	—	2	37.0	3	—16.0	15	16 4	0 43	—	0.28	4	27	..	..	..
Wilmer	50 34	116 14	3300	11.4	—	6	34.0	4	—14.0	8	12.8	0 53	—	0.23	5	26	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1914.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature								Precipitation			Days with 0.1 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
				Mean.	Difference from average.	Yr's Observations.	Highest	Date.	Lowest.	Date	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.					
BRITISH COLUMBIA—Con.	° ′	° ′																	
Thompson River																			
Armstrong	50 26	119 11	.....	22.6	—	2	39.0	1	0.0	20	9.4	0.55	—	0.20	5	26	.	..	..
Ashcroft	50 32	119 7	1180	.....	.....	..	....	....	.....	....	..	.....	.....	...	..	..	..	..	..
Chinook Cove	......	......	....	19.9	—	1	38.0	2	−1.0	12	9.7	1.00	—	0.28	12	19	..	..	..
Edith Lake	..	.....	.....	14.6	—	—	47.0	1	−8.0	12-13	14.9	0.54	—	0.31	9	22	..	..	..
Enderby	50 32	119 7	1180	23.3	−4.6	11	43.0	1	3.0	19	10.2	1.10	−1.20	0.30	8	23	..	..	..
Glenemma	... ..	.....	.....	21.3	—	1	46.0	26	0.0	12-15	13.9	0.45	—	0.15	7	24	..	..	..
Harper's Ranch	50 41	120 29	1246	.....	.....	..	....	....	.....	....	....	.....	.....	...	..	..	..	..	..
Kamloops	50 0	120 39	2120	21.5	−7.3	24	44.8	1	2.0	12	9.4	0.58	−0.97	0.10	8	23	..	..	..
Monte Creek	50 35	119 59	1156	18.8	—	2	44.0	1	−6.0	11-12	16.3	0.78	—	0.33	6	25	..	..	2
Nicola Lake	50 9	120 30	2120	17.6	−9.7	19	40.0	2	−3.0	20	11.7	0.60	−0.30	0.25	4	27	..	..	1
Salmon Arm	50 42	119 36	1152	23.2	−5.9	13	40.0	1	4.0	20	8.9	1.55	−0.56	0.20	10	21	..	..	.
Salmon Arm (Exp. Farm)	......	......	..	23.9	—	4	42.0	4	5.0	19	9.6	1.15	—	0.30	8	23	..	..	2
Tappen	.....	... .	1350	26.2	—	2	43.0	3	6.0	20	10.6	1.20	—	0.20	13	18	..	.	..
Tranquille	50 41	120 29	.....	23.3	—	6	45.0	1	5.0	13	8.7	0.40	—	0.10	8	23	..	..	..
Vavenby	51 36	119 45	1450	17.9	—	2	37.0	1-30	−9.5	17	11.3	1.04	—	0.23	9	22	..	..	..
North Columbia River																			
Glacier	51 14	117 29	4072	11.0	−7.5	12	27.0	2-31	−8.0	16	9.2	3.55	−4.52	0.70	11	20	..	..	..
Golden	51 0	118 6	1476	8.4	−10.5	13	35.0	2	−19.0	16	15.6	0.75	−0.78	0.30	4	27	..	..	..
Revelstoke	51 16	116 6	2550	18.8	−8.1	15	37.0	6	−7.0	16	10.7	1.65	−2.91	0.40	7	24	..	..	..
North Coast																			
Bella Coola	52 40	126 54	160	27.1	−3.6	16	44.0	26	7.0	17	9.6	0.98	−4.50	0.35	4	27	..	..	3
Prince Rupert	54 18	130 18	170	35.2	—	5	47.0	22-31	20.0	7	9.9	6.56	—	2.67	11	20	..	..	..
Stewart	56 1	130 1	215	19.5	—	5	33.0	23-31	5.0	5	8.2	2.98	—	0.90	9	22	..	.	..
Terrace	54 30	128 30	545	21.9	—	3	36.0	25	−1.0	12	6.8	2.50	—	0.60	6	25	..	..	..
Welcome Harbour	53 55	130 22	.....	......	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Queen Charlotte Islands																			
Ikeda Bay	52 17	131 7	5	....	.....	7	....	.....	......	...	....	......	.....	...	.	..	..	..	..
Massett	53 58	132 9	10	35.5	−3.9	17	45.0	25	21.0	12	8.7	3.54	−2.37	0.85	12	19	..	..	..
Yukon Boundary																			
Atlin	59 35	133 38	2240	10.1	—	9	39.5	22	−9.5	26	12.1	0.28	—	0.13	5	26	..	..	..
YUKON—																			
Carcross	60 11	134 34	2171	−1.8	—	8	40.0	23	−22.5	25	18.4	0.15	—	0.10	2	29	..	..	..
Dawson	64 4	139 29	1200	−9.6	+0.3	13	19.0	23	−32.0	25-26	11.7	0.08	−1.07	0.03	5	26	..	..	..
ALBERTA—																			
N. Saskatchewan River																			
Campsie	54 8	114 42	.....	5.4	—	3	34.2	31	−35.5	26	18.2	1.78	—	0.35	3	28	1	..	1
Coronation	......	....	.....	......	......	..	....	....	......	...	....	.....	......	...	..	..	..	..	..
Daysland	52 52	112 17	.....	6.8	—	7	32.0	31	−20.0	26	14.7	1.20	—	0.20	8	23	..	..	..
Edmonton	53 33	113 30	2158	9.0	−9.8	32	34.5	31	−20.0	26	15.3	1.49	+0.69	0.24	16	15	1	..	2
Endiang	52 0	112 0	2795	6.6	−8.9	4	33.0	2	−22.0	26	17.3	0.80	—	0.60	3	28	..	..	..
Halkirk (Emsburg)	52 17	112 10	.....	6.3	−12.0	8	26.0	17	−23.0	26	18.5	1.00	—	0.45	7	24	..	..	2
Hardisty	......	......	.....	6.4	—	1	33.0	21	−23.0	26	16.2	1.15	—	0.30	8	23	..	..	..
Lloydminster	53 18	110 0	.....	....	......	..	....	.....	.....	....	....	.....	.....	...	..	..	..	..	..
Loveland	52 30	111 59	.....	6.1	—	5	33.0	31	−26.0	27	18.7	0.90	—	0.60	2	29	..	..	..
Pakan	. ..	......	....	......	......	..	....	....	.....	.....	....	.....	......	...	..	..	..	..	..
Provost	......	......	.....	2.0	—	1	29.0	30	−28.0	26	21.5	1.60	—	0.90	2	29	..	..	1
Ranfurly (Waitefield)	53 29	111 38	2000	4.0	−6.6	10	30.0	31	−30.0	26-29	18.4	1.03	+0.23	0.22	18	13	1	..	3
Sedgewick	52 47	111 41	.....	.....	......	..	....	.....	.....	....	...	......	......	..	..	..	..	..	..
Sion	53 54	114 16	.....	5.9	—	3	33.0	17	−27.0	26	21.7	1.60	—	0.50	13	18	2	..	..
Twin Lakes	.. ..	.	.....	13.0	—	1	40.0	1	−12.0	8-9	19.8	0.90	—	0.40	4	27	..	..	..
Vermilion	53 22	110 50	.....	...	......	..	....	.	...	.....	...	......	......	....	..	..	..	..	..
Wastina	51 39	111 5	....	4.0	—	2	32.0	31	−23.0	26	19.3	—	—	—	—	—	..	..	..
Wetaskiwin	52 58	113 23	2480	......	......	..	....	.....	......	.....	....	......	.....	...	..	..	..	..	..
The Red Deer River																			
Alix	52 24	113 10	2685	8.4	—	10	31.0	18	−29.0	26	22.4	2.53	—	0.80	12	19			1
Alensk	....	....	.....	8.0	—	2	32.0	1	−17.0	15	17.2	0.70	—	0.30	9	22	..	..	5
Clemens	51 15	114 44	.....	... ..	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Delia	51 38	112 26	.....	....	.....	..	....	....	......	.. ..	..	.....	......	..	..	..	..	..	..
Didsbury	51 40	114 8	3300	14.4	−7.8	11	40.0	31	−10.0	10	16.9	0.60	+0.19	0.30	3	28	..	..	..
Empress	......	......	.....	8.4	—	1	37.0	1	−17.0	16	15.4	—	—	—	—	—	..	..	..
Harmattan	51 45	114 23	3500	7.5	—	7	36.0	31	−20.0	10	26.4	0.25	—	0.10	3	28	..	..	..
Hillsdown	52 14	113 29	2940	10.8	−7.4	11	36.0	31	−22.0	26	18.2	1.40	+0.66	0.30	12	19	..	..	..
Lacombe (Ex. Farm)	52 58	113 44	2783	10.4	—	8	33.0	31	−18.0	26	20.4	0.98	—	0.25	6	25	..	..	..
Moose (Tyrol)	51 15	110 39	.....	......	......	..	....	.....	.....	.....	..	....	......	.	..	..	..	..	..
Olds	.....	.....	.....	9.6	—	1	35.0	31	−16.0	10	15.4	0.95	—	0.30	7	24	..	..	5
Perbeck	51 58	113 6	.....	8.1	—	2	33.5	31	−20.5	26	18.0	0.95	—	0.25	8	23	..	..	..
Red Deer	52 16	113 49	2806	8.1	—	14	36.0	31	−21.5	10	20.1	1.50	—	0.35	13	18	..	..	..
Rosedale	......	... .	....	6.6	—	1	38.0	1	−19.5	26	19.7	—	—	—	—	—	..	..	..
Springdale	52 51	110 12	.....	7.7	—	2	34.0	31	−31.5	25	19.9	0.75	—	0.25	9	22	..	..	..
The Bow River																			
Bassano (White Farm)	......	......	.....	6.2	—	1	40.0	2	−21.0	11-16	18.1	1.10	—	0.20	7	24	..	..	3
Brooks	50 34	111 54	.....	......	......	..	....	.....	......	.....	....	.....	......	..	..	..	..	..	..
Calgary	51 2	114 2	3427	13.0	−7.9	30	38.0	31	−10.0	10-11	17.1	0.75	+0.21	0.15	8	23	..	.	..
Claresholm	50 2	113 35	.....	9.8	—	1	46.0	2	−19.0	11	21.1	0.93	—	0.30	5	26	..	..	..
Expanse Coulee	......	......	.....	......	......	..	....	..	......	.....	....	... ..	......	....	..	..	..	..	..
Gleichen	50 59	112 54	2952	13.5	−4.6	12	35.0	31	−10.0	9-13	12.7	—	—	—	—	—	..	..	..
High River	50 35	113 53	3394	... ..	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Lawrence (Parkland)	50 16	113 26	3500	......	......	.	....	.....	......	.....	....	......	......	..	..	..	..	..	..
Lethbridge (Exp. Farm.)	49 43	112 51	.....	9.3	−16.2	7	42.0	2	−23.5	10	22.2	1.35	+0.82	0.35	9	22	..	..	2
Lundbreck	......	......	.....	10.9	—	2	37.0	24	−14.0	20	19.2	0.55	—	0.25	3	28	..	..	..
Macleod	49 44	113 24	3128	9.6	−17.7	25	41.0	4	−25.0	10	20.4	2.00	+1.57	0.50	7	24	..	..	..
Medicine Hat	50 1	110 37	2143	13.0	−8.1	29	42.0	2	−.2.0	13-15	16.7	0.90	+0.39	0.22	9	22	..	..	..
Medicine Hat (Ex Farm)	.. ..	......	.....	11.0	—	2	41.0	2-	−20.0	13	18.5	0.55	—	0.40	3	28	..	..	..
Okotoks	50 43	113 59	.....	8.6	—	2	35.0		−19.0	16	19.5	—	—	—	—	—	..	..	1
Pekisko	50 26	114 14	.....	12.9	—	1	38.0	7	−22.0	20	27.8	0.43	—	0.35	2	29	..	..	1
Pincher Creek	...	.....	....	15.0	−11.3	16	48.0	2	−13.0	10	17.0	0.70	+0.38	0.30	4	27	..		
Ronolane	50 5	111 34	2350	8.7	—	2	40.0	1	−18.0	10-13	18.2	0.65	—	0.55	2	29	..	..	..
Strathmore	51 3	113 23	.....	8.0	—	3	31.8	0	−21.2	9	18.1	0.55	—	0.40	2	29	..	..	.
Suffield	50 13	111 9	.....	7.1	—	2	38.0	23	−20.0	13	19.1	0.75	—	0.25	5	26	..	..	3
Sundial	50 6	112 34	.....	8.7	—	4	38.0	30	−19.0	10	17.1	—	—	—	—	—	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1914.

*Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE. Mean.	Difference from average.	Yr's observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	PRECIPITATION. Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of Auroras.	No. of thunderstorms.	No. of fogs
ALBERTA—Continued	° ′	° ′																	
Rocky Mountains																			
Banff	51 10	115 34	4542	9.7	−10.5	20	31.2	31	−18.1	15	16.8	0.28	−0.89	0.08	9	22	..	..	..
Brazeau Forest (Coal Spur)	49 40	114 30	4226	......	.....	..	.....	.....	......	....	..	......	......	....	..	.	..	..	..
Canmore	.....	......	.....	9.5	—	1	35.1	26	−15.7	15	15.7	—	—	—	—	—	..	..	..
Athabasca River																			
Athabasca Landing	54 43	113 17	1650	4.2	−7.7	14	34.0	31	−35.0	29	16.8	1.07	+0.65	0.43	4	27	..	..	..
Edson	53 33	116 25	.....	......	......	..	.....	.....	......	.....	..	......	......	....	..	..	..	..	..
Jasper	....	.....	.....	......	......	..	....	.....	......	.....	...	......	......	....	..	..	..	..	..
Lunnford	54 33	114 19	.....	......	......	..	.....	.....	......	.....	...	......	......	....	..	..	..	..	..
Pembina	54 12	114 0	.....	......	......	..	.....	.....	......	.....	...	......	......	....	..	..	..	..	..
Peace River																			
Beaver Lodge	55 20	119 24	....	3.7	—	8	32.0	30	−25.0	26	27.8	0.75	—	0.45	4	27	..	..	..
Dunvegan	55 56	118 35	1305	......	......	..	.....	.....	......	.....	....	.....	......	...	..	..	.	..	..
Fort Vermilion	58 27	116 3	.....	−13.1	—	7	28.0	17	−43.5	28	25.6	0.05	—	0.05	1	30	..	..	..
Fort Vermilion (2)	......	......	.....	......	......	..	.....	.....	.....	.....	....	......	.....	....	..	..	..	..	..
Grande Prairie	......	......	.....	......	......	..	.....	.....	......	.....	....	......	......	....	..	..	..	..	..
Peace River Crossing	56 15	11[illegible] 15	.....	......	......	..	.....	.....	......	.....	....	......	......	....	..	..	..	..	..
SASKATCHEWAN—																			
Qu'Appelle River																			
Broadview	50 23	102 33	1960	.....	......	..	.....	.....	......	.....	....	.....	......	....	..	..	..	..	..
Brownhill (Grenfell P.O.)	50 23	102 53	1957	2.1	−5.3	15	28.0	1	−30.0	25	15.6	0.45	−0.18	0.20	3	28	1	..	8
Buchanan	51 42	102 45	...	......	......	..	....	.....	......	.....	....	.....	......	....	..	..	..	..	..
Crescent Lake	50 59	102 25	1658	0.7	−6.2	11	24.7	1	−32.9	24	16.9	0.31	−0.60	0.20	3	28	..	..	3
Estevan	50 59	103 4	1858	3.6	−6.9	15	34.0	31	−36.0	24	17.2	0.22	—	0.20	2	29	..	..	7
Fort Qu'Appelle	[illegible] 47	103 47	.. .	1.9	—	3	28.0	2	−36.1	25	18.8	0.27	—	0.08	6	25	..	..	..
Hubbard (Drumague)	51 5	103 24	.....	0.7	—	7	23.0	3	−35.0	24	13.9	0.30	—	0.20	2	29	..	..	..
Humboldt	51 5	105 9	.....	1.5	—	9	35.0	1	−31.0	25	13.4	—	—	—	—	—	..	..	5
Imperial	52 12	105 23	.....	.....	......	4	...	.....	......	.....	....	.....	......	....	..	..	..	..	..
Indian Head	51 22	103 40	1924	1.9	−5.7	23	27.0	3	−32.0	25	16.8	0.45	−0.26	0.20	4	27	..	..	..
Kamsack	51 30	101 52	.....	......	......	..	....	.....	......	.....	....	......	....	....	..	..	..	..	..
Manor	49 43	102 2	2064	2.0	—	..	28.0	1	−25.0	25-27	16.3	—	—	—	—	—	..	..	..
Moose Jaw	50 21	105 35	1759	6.7	−4.3	20	41.0	2	−36.0	25	17.4	1.05	+0.44	0.25	11	20	..	.	..
Moosomin	50 0	101 37	1884	......	......	..	...	.....	......	.....	....	....	......	....	..	..	..	..	..
Muenster (St. Peter's Mon.)	52 0	105 0	1870	0.8	—	8	35.0	3	−33.0	24	17.6	0.50	—	0.20	3	28	1	..	..
Pense (Gatesgarth.)	50 20	105 0	1879	5.1	−3.8	16	34.0	2	−37.0	24	16.9	0.60	+0.22	0.10	9	22	..	..	..
Pilger	52 25	105 9	.....	0.3	—	4	27.0	1	−33.0	25	15.5	0.16	—	0.05	7	24	..	..	..
Qu'Appelle	50 30	103 47	2115	3.2	−6.7	30	26.0	2	−36.0	25	15.1	0.41	−0.20	0.16	6	25	..	..	12
Regina	50 27	104 37	1885	4.1	−2.8	29	30.0	1-2	−35.0	25	17.7	0.09	−0.62	0.03	5	26	..	..	1
Stoney View	... ..	......	.....	.....	......	..	.....	.....	......	.....	....	.....	......	....	..	..	..	..	..
Whitewood	.....	......	.....	2.7	—	1	26.0	2	−29.0	24	12.2	0.25	—	0.10	3	28	..	..	7
Yarbo (Fairfield)	50 39	102 4	. ...	8.5	—	8	44.0	5	−22.0	13	19.2	—	—	—	—	—	..	..	..
Yellow Grass	49 49	104 9	.....	4.6	—	4	35.0	2	−32.0	24-25	19.8	—	—	—	—	—	..	..	2
Yorkton	51 11	102 29	.....	3.3	—	5	32.0	1	−30.0	26	16.1	—	—	—	—	—	..	..	..
S. Saskatchewan River																			
Chaplin	50 26	106 39	2202	6.6	−3.6	30	36.0	2	−26.0	25	17.4	0.45	−0.06	0.30	2	29	..	..	3
Kindersley	51 28	109 9	...	......	......	..	....	.....	......	.....	..	.....	....	....	..	..	..	..	..
Klintonel (Divide)	49 38	108 53	3500	9.5	—	6	39.0	3	−16.6	15	15.7	1.00	—	0.40	11	20	..	..	8
Kelvinhurst (Nashlyn)	51 46	108 10	.....	. ...	......	..	.....	.....	....	.....	..	......	......	....	..	..	..	..	..
Larchmount (Pambrum)	49 21	109 29	2500	9.1	—	4	39.0	1	−22.0	6	18.1	0.80	—	0.25	5	26	..	..	1
Rathmullen	51 20	108 57	.....	5.0	—	6	29.8	3	−23.0	27	15.4	0.53	—	0.15	5	26	..	.	..
Swift Current	50 20	107 45	2439	9.6	−8.2	28	42.5	2	−16.0	16	15.2	0.97	+0.25	0.20	15	16	..	..	18
N. Saskatchewan River																			
Anglia	51 55	101 10	.....	5.5	—	2	32.0	1-2	−22.0	29	13.2	0.60	—	0.30	3	28	..	..	..
Battleford	52 41	108 20	1620	5.9	−1.7	24	33.0	31	−28.0	25	13.5	0.82	+0.43	0.20	8	23	..	..	..
Lloydminster	53 18	110 0	.....	......	......	..	.....	...	......	....	....	......	......	....	..	..	..	..	..
Luseland	52 5	109 34	.....	4.4	—	5	27.0	31	−21.0	16	11.3	1.20	—	0.20	9	22	..	..	1
Meadow River	.....	......	.....	....	......	..	.....	...	.....	.....	....	.....	......	....	..	..	..	..	..
Onion Lake	53 52	109 59	.....	3.5	—	.	35.0	3	−22.0	15	18.3	—	—	—	—	—	..	..	..
Prince (Meota)	51 0	108 20	1700	3.6	—	8	30.0	7	−35.0	25	12.3	—	—	—	—	—	..	..	3
St. Walburg	53 36	109 9	.....	1.7	—	3	24.0	2-3	−23.5	19	9.5	0.60	—	0.20	6	25	..	..	..
Scott (Ex. Farm)	51 59	109 30	.....	2.6	—	4	25.0	18-31	−23.8	29	15.1	0.95	—	0.55	3	28	..	..	..
Waseca	53 6	109 29	.....	4.3	−2.9	8	28.0	31	−25.0	25	13.1	0.92	—	0.20	13	18	..	..	2
The Saskatchewan Forks																			
Halcyonia	52 30	107 5	1800	5.1	—	1	26.0	18	−19.0	27	13.3	0.60	—	0.10	6	25	..	..	..
Melfort	52 47	104 30	.. .	−1.4	−6.7	11	22.0	1-4	−37.5	24	15.1	0.45	—	0.05	9	22	..	..	..
Prince Albert	53 10	106 0	1432	0.2	−5.3	30	22.0	4	−40.0	25	7.6	0.56	−0.20	0.22	8	23	..	.	..
Rosthern	52 40	106 20	1657	1.1	—	5	25.8	18	−31.8	25	12.7	0.52	—	0.20	7	24	..	..	..
Saskatoon	52 15	106 30	1571	4.8	−2.8	14	27.4	18	−28.8	25	12.5	0.60	+0.10	0.20	7	24	..	..	..
Lower Saskatchewan River																			
Lost River	53 17	104 21	.....	−1.4	—	4	32.0	1	−41.0	25	13.7	—	—	—	—	—	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1914.

* Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature. Mean.	Difference from average.	Yr's observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Precipitation. Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
MANITOBA—	° ′	° ′																	
Qu'Appelle and Assiniboine Rivers																			
Boissevain	50 25	101 1	1703	.....	.....	..	....	...	......	.....	....	......	......	....	..	..	..	..	..
Brandon	49 51	99 57	1176	3.1	-2.3	28	32 5	6	-31.8	24	17.4	0 10	-0.49	0.05	2	29	..	..	..
Carman	49 31	98 0	872	.....	.....	..	.....	.....	......	.....	....	......	......	....	..	..	..	..	..
Cypress River	49 33	99 3	1232	.....	.....	..	.....	.....	......	.....	....	......	......	....	..	..	..	..	..
Hamiota	......	......	.....	0.0	—	1	24 0	8	-32.0	24	18.2	0.35	—	0.20	3	28	..	..	2
Hillview	49 55	100 33	1400	2.1	-4.2	29	25.0	7	-32.0	24	14.4	0.10	-0.48	0 10	1	30	..	..	10
Minnedosa	50 16	99 50	1699	2.2	-6.9	34	25 0	8	-32.4	24	16 0	0.33	-0.29	0.22	4	—	1	..	6
Ninette	49 24	99 38	1363	7.0	—	4	35.0	5	-20 0	25	12.7	—	—	—	—	—	..	..	3
Ninga	49 14	99 51	1649	3.9	—	4	32.0	5	-28.0	23	16.0	—	—	—	—	—	..	..	..
Pierson	49 11	101 6	1531	.....	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Pipestone	49 34	100 58	1400	.....	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Portage la Prairie	49 57	98 17	.....	2.7	-4.5	25	25.0	3-7	-26.0	24	15.4	0.70	0.00	0.25	4	27	..	..	..
Portage la Prairie (2)	49 56	98 17	.....	.....	......	.	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Russell	50 59	101 20	.....	-0 5	-4.1	21	27.0	1	-33.0	24	19.1	—	—	—	—	—	..	..	..
St. Alban's (Treesbank)	49 42	99 33	1180	2 7	-3.6	30	24 5	2-5	-28 0	24	16.3	0 15	-0 80	0.05	7	24	4	..	..
Souris	49 37	100 14	.....	2.6	—	3	26.0	5	-30.0	24	16 4	0.14	—	0 08	3	28	..	..	1
Treherne	49 36	98 40	1212	3.7	-4.8	19	30.0	6	-28 0	24	15 3	0.69	-0.37	0.20	7	24	..	..	..
Virden	49 51	100 55	1444	.....	.....	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
The Red River																			
Almasippi	49 14	98 20	.....	2.2	-7.6	12	26.0	2-6	-30 0	24	20.0	0 90	—	0.80	2	29	..	..	..
Morden	49 11	98 2	978	1.9	-10 3	11	32 0	6	-28.0	24	15 5	1.20	+0.48	1.30	1	30	..	..	3
Oak Bank	49 57	06 46	800	-0.5	-6.4	18	28.0	5-6	-32.0	23	16 0	1.70	+1.18	0.80	5	26	..	..	..
Selkirk	......	......	....	......	.....	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Stony Mountain	50 40	97 14	803	-1.5	-8.7	32	28.0	1-6	-34.0	25	21 0	2 00	—	1.60	5	26	..	..	..
Winnipeg	49 53	97 7	760	1.2	-6.2	40	29 2	6	-27.4	24	15.6	1.40	+0.68	1.10	7	21	..	..	..
Dauphin Lake and River																			
Berens River	52 18	97 23	710	-1.7	—	7	37.0	1	-30.0	24	15.6	0.40	—	0.30	2	29	..	..	..
Dauphin	51 8	100 2	957	—	—	9	24.0	7	-18.0	24	12 2	0.20	—	0.20	1	30	..	..	..
Moose Horn Bay (Aitkensville)	51 15	90 33	810	1.8	—	5	23 0	6-8	-27 6	15	14 5	0.58	—	0.13	11	20	..	..	..
Swan Lake	... ..	......	. ...	—	—	1	—	—	-25.0	25	—	0.15	—	0.05	3	28	..	..	..
Lower Saskatchewan River																			
Le Pas	63 49	101 15	860	-1 6	—	5	20.0	1	-32.0	23	10.9	0.27	—	0.10	4	27	..	..	..
ONTARIO—																			
The Lake Superior Districts																			
Rainy River																			
Atikokan	......	......	.....	....	......	..	.. ..	....	......	.....	....	......	......	....	..	..	..	..	..
Dryden	......	......	.....	2 7	—	1	36 2	2	-29.8	24	14.1	0.83	—	0.35	5	26	..	..	..
Fort Frances	48 36	93 25	.....	6.7	—	2	40 0	1	-25 0	25	18 0	0.27	—	0.11	4	27	..	..	..
Ignace	......	......	.....	3.4	—	1	42.0	7	-32.5	24	17.9	1.27	—	0.50	6	25	..	..	..
Kenora	49 48	0 32	1102	2.0	-6.8	13	38.0	6	-30.0	24	12.0	0.40	—	0.15	4	27	..	..	..
Rainy River	......	......	.....	......	.....	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Shoal Lake	49 37	95 6	.....	.....	......	..	....	.....	......	....	....	......	......	....	..	..	..	..	..
Sioux Lookout	... ..	......	.....	0.6	—	1	42.0	7	-38 0	25	17 9	0.98	—	0.40	6	25	1	..	5
Thunder Bay																			
Heron Bay	48 18	86 16	.... .	......	......	16	....	.....	...	.....	....	......	. ..	....	..	..	..	..	..
Kakabeka Falls	48 20	89 26	012	7 9	—	7	42.0	1-7	-23 0	24	18 7	0.32	—	0.10	6	25	..	..	.
Nipigon	......	......	.....	9 5	+1.9	13	46.0	6	-37.0	26	17 6	0 73	—	0 20	8	23	..	..	..
Oscar	......	......	.....	2.7	—	2	46 0	7	-41.0	24	20.6	3 30	—	1.20	10	21	..		..
Port Arthur	48 27	80 12	644	11 5	-2.9	34	44 0	1	-20.0	25	17 0	0.23	-0 46	0.10	6	25	..	..	1
Savanne	48 55	90 18	1506	2.2	-2.5	13	40 0	2	-35 0	24	15 3	0 45	-0.72	0.10	6	25	..	..	..
Schreiber	48 50	87 15	033	11 1	-0 3	12	42.8	1	-31 5	24	21 0	1.29	—	0.30	7	24	..	..	1
Algoma																			
Bisco	47 40	82 11	1333	11 4	—	2	44.5	1	-31.5	25	17 8	1 63	—	0.43	8	23	..	..	..
Bruce Mines	46 18	83 65	595	.....	. . ..	16	....	.....	......	....	....	......	......	....	..	..	..	..	..
Chapleau	47 48	83 28	.....	.....	.....	2	....	....	......	.....	....	......	......	...	..	..	..	..	..
Copper Cliff	46 30	80 59	.....	......	......	7	....	.....	......	.....	....	......	....	...	..	..	..	..	..
Grassett	48 20	84 29	... .	3.2	—	2	49 0	1	-42.0	24	24.0	2.46	—	0 56	10	21	..	..	1
Porcupine	45 40	82 14	.....	7 2	—	4	49.0	2	-33.0	24	22 5	0.60	—	0 30	4	27	..	..	..
Providence Bay	48 35	85 16	1252	24 9	—	4	45.0	1-2	0 0	23 26	6.8	1.51	—	0.60	5	26	..	..	..
Timmins (Wawaitin Falls)	48 40	81 30	885	6 7	—	2	42.0	1	-38.0	21-25	21 4	1 83	—	0.50	11	20	..	..	..
Turbine	46 18	81 35	685	12.5	—	1	45.5	1	-33 8	25	20 0	0 97	—	0 40	7	24	..	..	..
White River	48 35	85 16	1248	4.2	-4.0	21	41.0	1	-46.0	24-25	28.2	1.50	-0.29	0 60	14	16	..	.	2
Nipissing																			
Cochrane	49 2	81 0	046	7 2	—	3	41.0	1	-32.0	24-25	18.3	0.88	—	0 15	9	22	..	..	4
Haileybury	47 29	79 39	687	12 3	+0.2	23	50.3	1	-27 0	24	14.8	1 95	-0.30	0.53	13	18	..	..	3
Iroquois Falls	48 45	80 40	850	6 2	—	2	41 0	1	-35 5	25	21 2	1.89	—	0.39	13	18	3	..	..
Montreal River	47 6	79 29	.....	11.6	—	4	48.0	1	-38 0	25	23.8	1.37	—	0.40	7	24	..	..	..
Upper Ottawa River																			
Rutherglen (Lake Talon)	46 15	74 48	....	12 9	-0 7	20	50 0	1	-36 2	26	15 1	1 00	-1.40	0.30	4	27	..	..	1
Stonecliff (Rockliffe)	46 9	78 6	657	14 7	+0.8	25	43.0	2	-40.0	26	16 6	2 10	-0.19	0 40	10	21	..	..	1

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1914.

* Stations not furnished with Registering Thermometers.

STATION	Latitude N.	Longitude W.	Elevation above sea level in feet.	TEMPERATURE								PRECIPITATION			Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
				Mean.	Difference from average.	Yr's Observations	Highest	Date.	Lowest.	Date	Mean daily range.	Amount	Difference from Average.	Heaviest fall in month.					
ONTARIO—Continued—																			
Upper St. Lawrence and Lower Ottawa Rivers	°	° ′																	
Almonte	45 12	76 13	390	16.7	—	3	54.0	1	−33.0	26	16.9	2.85	—	0.60	10	21	..	..	..
Bloomfield	43 50	77 21	260	23.4	− 1.6	15	54 0	2	−25.0	26	13.3	2.06	−0.60	0.48	7	24	..	..	2
Hillier	......	....	.....	23.9	—	3	53.0	1	−18.0	26	8 7	1.45	—	0.40	6	25	..	..	1
Kingston	44 13	76 29	285	23 8	− 0.5	40	51.2	2	−20.3	26	12.9	2.47	−0.37	0.90	16	15	..	..	2
Montague	44 56	75 57	.....	17.6	—	5	54 0	1	−29 0	26	20.1	3.10	—	1.33	7	24	.	..	2
Morrisburg	44 56	75 12	.....	18.5	—	2	49.0	2	−29.5	26	14 7	3.21	—	1 40	12	19	..	..	..
North Gower	45 8	75 43	.....	20.5	—	12	50.0	1-2	−13.0	24	25.5	—	—	—	—	..	..	.	..
Ottawa	45 26	75 42	294	16.8	− 0.1	32	45.0	1	−24 0	26	16.4	2.75	+0.04	0.85	14	17	..	..	2
Renfrew	45 26	76 30	416	15 2	− 1.2	25	51 0	1	−32.0	26	14.7	0 87	−0.39	0.30	6	25	..	..	2
Georgian Bay Counties																			
Barrie	44 23	79 41	339	22.0	− 1.5	48	52.7	1	−18.7	26	11.6	2 80	−0.13	0.58	15	16	..	..	1
Beatrice	45 8	79 20	800	19.6	+ 0.5	39	50 0	1	−32.0	26	16.8	6.07	+1 56	1.30	14	17	..	..	..
Big Chute (Buskin P.O.)	44 42	79 38	655	20.2	—	2	60.0	2	−41.0	25-26	19.4	4 60	—	0.60	14	17	..	..	2
Coldwater	44 38	79 40	600	19.6	− 1.2	27	54.0	1	−43 0	26-26	20 0	6.63	+2 91	1.35	18	13	..	..	..
Collingwood	44 31	80 2	.....	26 2	+ 0.9	22	57 0	1	−10.0	25	12.6	2.47	....	0.60	11	20	..	..	..
Gravenhurst	44 54	79 20	.....	18.9	− 2.0	44	52.0	1	−38 0	26	18 5	2.39	−1.55	0.60	12	19	..	..	2
Huntsville	45 19	79 8	.....	18.6	—	8	47.0	2	−34.0	26	13.0	—	—	—	—	—	..	..	..
Markdale	44 36	80 36	.....	19.8	—	3	52.0	2	−15.0	26	14 7	4.62	—	1.00	10	21	..	..	2
Meaford	44 19	80 39	.....	......	—	..	....	.....	.....	.....	....	.....	......	....	..	..	..	..	..
*Midland	44 44	79 53	760	32.6	—	7	62.0	1	−30.0	26	—	7.60	—	1.20	12	19	..	..	..
Orillia	44 37	79 24	775	21.6	− 1.7	23	60 0	2	−26.5	20	14.0	3 98	−0.72	2.20	11	20	..	..	..
Owen Sound	44 34	80 55	697	......	......	.	....	.....	......	.....	..	......	......	....	..	..	..	..	..
Parry Sound	45 19	80 0	635	20.5	− 0.8	38	51.0	1	−24 0	26	17 6	3.94	−0.72	0.70	13	18	..	..	..
Ronville	45 15	78 57	1038	16 1	—	7	49.0	1	−38.0	25	18.7	2.17	—	0.40	10	21	..	..	2
Sundridge	......	......	.....	14.6	—	1	47.0	1	−38 0	26	21.8	—	—	—	—	—	..	..	2
Tobermory	......	.....	.....	25.3	—	1	52.0	1	4.0	24	7.9	4.46	—	1.40	12	19	..	..	..
Lake Huron Counties																			
Birnam	43 2	81 55	600	23.0	− 3 8	31	56.5	1	−14.0	26	10.7	1.61	−1.79	0 35	10	21	..	..	..
Brucefield (Clinton)	43 32	81 37	.....	23.7	− 0.9	12	53 0	2	−10 0	26	10.3	2.09	−1.41	0.26	15	16	..	..	2
Lucknow	43 56	81 30	908	22.0	− 3.5	29	51.0	1	−14 7	25	11.4	2.56	−1.72	0 35	17	14	..	..	2
*North Bruce	44 23	81 25	.....	24.0	− 1.6	26	51.0	1	4.0	25	—	2.60	−0.62	0.65	20	11	..	..	2
Ridgecrest (Goderich)	43 45	81 41	.....	24.3	− 2.3	24	53.0	1	− 7 0	26	8.5	2.35	−0.25	1.00	8	23	.	..	2
Southampton	44 30	81 21	656	24.2	− 3.2	38	53.0	1	− 2.0	26	10.6	3.91	+0.16	0.50	21	10	..	..	2
Lakes St. Clair & Erie, Niagara Peninsula																			
Chatham	42 23	82 12	605	24.1	− 3.3	28	59.0	1	−10.0	26	11 7	2.13	+0.31	0 45	6	25	..	..	..
Cottam	42 7	82 45	606	21.6	− 8.6	27	59.0	1	−17.0	26	18.3	3.15	+0.52	0.60	11	20	..	..	2
Dutton	42 40	81 32	.....	23.5	—	2	51.0	2	−21 8	26	14 3	—	—	—	—	—	..		..
Grimsby	43 13	79 36	.....	26.1	—	5	59.0	1	− 2.0	25	11.8	1.81	—	0.45	11	20	..	..	..
Pelee Island	41 50	82 36	685	......	.....	..	...	.....	.....	..	.	.....	......	...	..	.	..	.	..
Port Burwell	42 39	80 55	592	25.3	− 3.4	11	55.0	1	−22.0	26	9.9	2.11	−0.32	0.40	8	23	..	..	2
Port Dover	42 27	80 13	635	22.4	− 5 5	39	53 5	2	−21 0	26	11.7	2.19	−0.78	0 55	9	22	..	..	2
Port Stanley	42 40	81 13	592	24.5	− 3 9	30	54 1	2	−24 8	26	13.7	2.32	−0.76	0.42	19	12	..	..	2
St. Catharines	43 9	79 17	347	.....	....	..	..	.....	..	....	....	.....	....	....	..	..	..	..	..
Stoney Creek	43 13	79 45	292	25 9	− 3.9	30	59.0	1	−14.0	26	11.9	2.17	−0.92	0.44	8	23	..	..	2
Wallaceburg	42 35	82 24	.....	28 3	—	9	65 0	1	−17 0	24	18.0	0.95	—	0 25	5	26	..	..	..
Welland	42 59	79 17	577	22.7	− 4 6	28	53.0	2	−15 0	26	7 9	1.60	−2.16	0.50	8	23	..	..	..
Windsor	42 20	83 4	625	24.8	− 2.3	41	56.0	2	− 9.0	26	12.8	1.84	−0.47	0.37	10	21	..	..	..
West-Central Counties																			
Alton	43 51	80 5	1250	21.5	− 1.8	28	55.0	2	−12 0	26	11 7	1.68	−0.70	0.35	7	24	..	..	3
Berlin	......	......	.....	22.1	—	1	56.0	2	−14 5	26	12 2	3.83	—	0.65	16	15	..	..	2
Brantford	43 10	80 21	750	20.8	− 4 9	33	57 0	1-2	−22.0	25	15 7	1 37	−1 07	0.39	8	23	..	..	2
Elora	43 41	80 24	1274	20 6	− 3 8	18	54.0	1-2	−15 0	26	11 6	1.94	−0 97	0 40	11	20	..	..	..
Guelph	43 33	80 16	1050	22.5	− 1 3	29	55 0	1	−11 0	26	11 0	3 19	+0.85	1 01	14	17	.	..	..
Listowel	43 44	80 58	1262	19.5	− 3.9	14	53.0	1	−14 0	25	12 9	1 79	−1 08	0 39	10	21	.	..	.
London	42 59	81 13	808	22 7	− 4 2	30	56.0	1	−22 0	26	13.8	3 13	−0 38	0.60	13	18		..	2
Paris	43 12	80 25	840	23.7	− 2 5	25	56 0	1	−17.0	26	11 6	1.04	−1.43	0 25	9	22		..	
Shelburne	44 5	80 47	...	.	......	.	..	...	......	....	.		...					..	
Stratford	43 23	81 0	1101		. ..			..		..			..					..	
Woodstock	43 8	80 47	080	22.7	− 3.0	42	57.0	1	−21 0	26	13.0	2 19	−2.78	0 45	10	21			
Lake Ontario Counties																			
Agincourt	43 47	79 16	590	23 2	− 0.5	20	52.0	1-2	−12 0	26	11.1	1.91	−0 41	0 46	10	21	..	.	4
Aurora	43 57	79 24	886	19.9	—	7	52.0	1-2	−22.0	25	14 0	1 97	—	0 60	6	25			1
Georgetown	43 38	80 2	.....	22 2	—	1	58 0	2	−10 0	25-26	11 9	2.16	−0.65	0 50	12	19		..	3
Hamilton	43 16	79 54	303	24.8	− 2 6	41	55.0	1-2	− 6 0	26	9 5	2 12	+0 12	1 09	6	25			
Oshawa	43 53	78 52	331	21 9	− 2.5	10	56 0	1	−15 0	26	13.3	1 20	−1 06	0 30	5	26			
Toronto	43 40	79 24	350	25.7	− 2 0	74	53 8	2	− 7 2	26	11.5	1.76	−0 85	0.42	13	18			2
Toronto Is.(Lakeside Home)	43 40	79 24	.....	26.6	− 2.9	10	51.0	2	−11 0	26	11.8	—	—		—	—			
Uxbridge	44 5	79 8	886	20.9	− 2.2	10	56.0	1	−26 0	26	11 7	1.74	−0 11	0.50	9	22			
Wexford	43 44	79 17	555	22.0	—	3	51.0	1	−14.0	26	11.6	1 45	—	0.45	5	26		.	2

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1914.

*Stations not furnished with Registering Thermometers.

STATION	Latitude		Longitude		Elevation above sea level, in feet	TEMPERATURE								PRECIPITATION			Days with .01 or more	No. of fair days	No. of auroras	No of thunderstorms	No. of fogs
						Mean	Difference from average.	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month					
East-Central Counties	°	'	°																		
Bancroft	45	1	77	50	....	15.2	— 2.7	25	50 0	1	—40.0	25	18 8	—	—	—	—	—	..	..	..
Haliburton	45	1	78	28	1050	17.6	— 1.2	27	49 0	1	—38 0	26	18.1	—	—	—	—	—	..	..	..
Kinmount	44	45	78	38	920	19.7	+ 0.8	15	50.0	1	—44.0	25	22.4	4.04	+2.64	1.20	15	16	..	..	..
Lakefield	41	25	78	15	850	....	..	..	....	....	.....	....	..	.....	.....	...	..	.	..	..	..
Lindsay	44	20	78	45	872	20.6	— 0 8	35	55 1	1	—30.3	26	17.6	1.62	—2.85	0.29	13	18	..	..	2
Norwood	41	24	77	57	....	19 6	—	3	53 0	2	—33.0	26	18.7	0 75	—1.65	0.55	2	29	..	.	..
Peterboro'	44	17	78	19	722	19 4	— 1 3	46	53 0	1	—29 0	26	18.8	1 45	—1.19	0.30	8	23	..	..	2
Queensboro	....		..	.	....	17.9	—	1	66.0	1	—38.0	26	18 6	2 31	—	0.60	8	23	..	..	2
Ursa	44	54	78	18	....	....	.....	..	...	....	.....	....	....	.....	.....	....	..	..	..	..	..
QUEBEC—																					
Middle St. Lawrence																					
Bark Lake Depot	46	30	75	20	...	1 9	—	1	56 0	1-2	—52.0	24-26	29.5	2 49	—	0.92	8	23	..	..	..
Beauceville	46	11	70	48	557	...	.....	2	..	....	.....	....	....	1.28	—	0.60	5	26	..	..	..
Broma	45	10	72	36	678	18 0	— 0.5	34	57 0	2	—22 6	26	16 3	0 67	—1.42	0.40	3	28	..	..	..
Cap Rouge	46	46	71	18	...	13 7	—	4	44 0	1	—21 0	25	16 2	2.60	—	0.60	11	20	..	..	3
Cedar Rapids	45	21	74	5	132	20.2	—	2	45.0	3	—24.0	26	16.5	1.41	—	0.55	7	24	..	..	..
D'Israeli	45	55	71	21	896	12 5	—	4	49.0	2	—35 0	23-25	26.7	1.52	—	0.30	9	22	..	..	1
Drummondville	44	50	72	30	....	16 1	—	2	51.7	3	—28.5	26	19.4	5.03	—	0.90	8	23	..	..	.
Huberdeau	45	59	74	41	900	13.6	—	2	46.0	2	—35 0	26	20.9	2 84	—	1.20	6	25	..	..	2
Huntingdon	45	5	74	10	....	18 5	—	2	50 0	2-3	—24 0	26	17.3	1 30	—	0.75	3	28	..	..	..
Joliette	46	2	73	25	....	—	—	1	41.0	1-2	—	—	—	2.88	—	0.85	7	24	..	..	..
Lake Megantic	45	35	70	63	1314	14 5	—	1	56.0	2	—20.0	25	17.9	1 04	—	0 30	10	21	..	..	..
MacDonald College (Ste. Anne de Bellevue)	45	27	73	59	....	.....	.....	..	....	....	......	.....	....	......	......	....	.	..	..	..	..
Maniwaki	..	...		...	....	.....	.....	..	..	....	......	....	...	.. ..	.. .	....			..	..	..
Montreal	45	30	73	35	187	18 6	— 0 5	40	47 8	1	—15.6	26	12 5	3 30	—0.52	0.91	13	18	..	..	3
Nicolet	46	15	72	36	....	12.9	—	2	41.8	4	—26 5	26	16 8	2 48	—	1 20	7	24	..	..	..
Nominingue	46	27	75	0	....	13 0	—	2	63.0	2	—38.0	24	21.3	1.45	—	0 40	7	24	..	..	..
Quebec	46	48	71	13	296	14 4	— 1.0	40	44.4	2	—22.8	25	13 8	2.26	—0.00	0 44	11	20	..	..	2
Sorel	...		...	....	....	14.4	—	1	43.0	2	—30.9	26-27	18.6	2 62	—	1 20	12	19	..	..	..
St. Lin	45	43	73	47	....	11.8	—	2	52.0	1	—39.0	25	21.9	3 07	—	0.60	9	22	..	..	1
Shawbridge	45	54	74	3	....	......	—	3	...	....	......	....	...	....	.....	....	.		..	..	..
Shawenegan Falls	46	34	72	43	...	7.0	— 4 9	13	40.0	2	—44.0	26	19 2	0.86	—1.98	0 48	8	23	..	..	10
Sherbrooke	45	24	71	53	620	17 2	— 0.7	12	54 0	2	—27.1	26	16.6	2.12	—0.86	0.46	17	14	..	..	8
Lower St. Lawrence & Gulf																					
*Anticosti, E. Pt	49	6	61	42	30	....	......	31	...	....	......	.....	....	......	......	....	..	..	..	..	..
Anticosti, S.W. Pt	49	24	63	33	....	......	......	34	....	....	......	....	....	.. ...	......	....	..	..	..	..	—
*Anticosti, W. Pt	49	52	64	32	30	....	......	33	....	.....	......	....	...	......	......	....	..	..	..	..	..
*Bicquet	48	25	68	53	....	15 4	—	33	43.0	1-3	—15 0	26	15 7	0.85	—	0.30	4	27	..	..	2
*Cape Chatte	49	6	66	45	.. ..	19 0	+ 0.3	33	47.0	2	— 9 0	25	18 7	1.70	—	0.50	8	23	..	..	..
*Cape Magdalen	49	16	65	20	93	17 3	— 1.0	33	45 0	1	— 7.0	26	17 1	1.20	—1.59	0.60	5	26	..	..	..
Causapscal	48	21	67	12	450	—	—	2	—	—	—	—	—	—	—	—	—	—	..	..	.
Father Point	48	31	68	19	20	16.0	— 0.1	37	44.0	1	—13.0	26	13 2	1 24	—1 82	0 34	12	19	..	..	1
Harrington Harbour	50	40	59	19	....	....	......	4	..	....	......	.....	. ..	......	......	....	..	..	..	..	..
Natashquan	...		...		....	......	.....	1	..	....	....	....		......	....	....	..		..	..	.
Ste Anne de la Pocatiere	47	22	70	2	65	9.5	—	4	45 0	2	—24 2	25	15.0	0.89	—	0 25	5	26	..	..	..
Tadoussac	48	10	69	47	....	12.6	—	2	43.0	1	—20.0	26	13 3	2 35	—	0.70	5	26	..	..	2
Lake St. John																					
Chicoutimi	48	25	71	5	150	—	—	35	—	—	—	—	—	0.57	—2 00	0 18	6	25	1	..	4
Chicoutimi (2)	48	25	71	5	...	7.4	—	4	42.0	3	—33.0	25	8 3	0 93	—	0 30	8	23	..	..	..
Mistassini	48	51	72	15	360	5 2	—	3	42.0	2	—41.0	26-27	19 9	2.53	—	0 65	9	22	2	..	3
Roberval	48	31	72	13	352	6.5	—	8	47.0	1	—30 0	24	29.0	2.64	—	0.80	4	27	..	..	..
Upper St. Maurice																					
La Loutre Rapids	48	23	74	18	1288	3.2	—	3	44 0	1	—48.0	26	23.7	2.41	—	0.40	13	18	..	..	..
Lake Edward	47	39	72	15	1333	.	—	5	....	....	....	....	..	....	—	....	..	.	..	..	..
La Tuque	47	27	72	48	520	12.8	—	4	43.0	3	—39.0	25	19.7	2.68	—	0.85	6	26	..	..	1
The Northwestern Districts																					
Abitibi	48	33	79	22	... ..	8.2	+ 1 1	19	41.0	1	—30.0	24	16 8	1 70	—0.82	0.40	9	22	..	..	2
Amos	48	36	78	7	....	5.1	—	2	41.3	1	—42.6	24-26	21 5	1.59	—	0.45	9	22	..	..	2
Quinze Dam	47	34	79	16	....	10 0	—	2	46 0	2	—30.0	26	15 1	1 71	—	0.60	8	23	..	..	..
Timiskaming	46	44	79	7	....	12 6	—	2	42 0	1	—24 0	26	10.2	2 32	—	0.75	6	25	..	..	..
Ville Marie	47	55	79	25	..	13.3	—	2	49 0	1-2	—37.0	24	13.8	0.31	—	0.15	7	24	..	..	..
White Shore Lake	48	12	75	43	1394	.. ..	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
The North Shore																					
Clarke City	50	10	66	25	...	....	......	..	....	.....	......	.....	..	......	......	....	..	..	..	.	..
NEW BRUNSWICK—																					
Chatham	47	3	65	29	21	17 4	— 1.1	40	49.0	1	—24 5	25	17.8	1.63	—1.55	0.48	11	20	..	..	2
Dalhousie	48	4	66	22	39	15.7	+ 1.1	39	40.0	2-3	—15.0	25	12.2	2.20	—0.55	0.60	5	26	..	..	..
Edmunston	..	...	...	.	. .	—	—	1	—	—	—	—	—	—	—	—	—	—	..	.	.
Fredericton	45	57	66	30	164	18 1	+ 2.1	39	47.0	1-14	—22 5	25	19 0	1 96	—1.55	0 67	7	24	..	..	3
Fredericton (Exp. Farm)	...		..		106	17 7	—	2	47.0	1-3	—22.5	24	20.3	2.04	—	0.70	5	26	..	..	1
Grand Falls	47	2	67	44	...	. .	—	2	....	.....	......	...	..	.....	......	....			..	..	..
Moncton	46	9	64	45	50	17 4	— 2 2	17	53.0	1	—13.0	25	19 2	2.05	—0 56	0 85	5	26	..	..	..
*Point Lepreaux	45	4	66	28	30	24 4	—	36	48 0	2	— 6 0	26	—	2 02	—0.63	0.57	4	27	..	..	3
St. John	45	17	66	4	70	23.4	— 0.9	42	49.5	2	—10 3	26	15.1	2.59	—1.44	0.77	8	23	..	..	5
St. Stephen	45	11	67	16	35	19 1	— 2.3	17	54.0	1	—28.0	26	19.3	2.25	—1 14	0 81	5	26		..	1
Sussex	45	38	6	38	06	20.6	+ 1.6	17	52.0	2	—17.0	26	18.9	1.65	—1.69	1.23	4	27	.	..	1
Williamsburg	46	20	06	43	.....	......	......	..	..	.....	.. ..	....	..	.....	......	...	..	..	..	..	.
Woodstock	......		...	..	.....	19.0	—	1	51.0	2	—28.0	26	15 1	1.57	—	0 53	6	26	..	..	2

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DECEMBER, 1914.

*Stations not furnished with Registering Thermometers.

STATIONS	Latitude		Longitude		Elevation above sea level, in feet	TEMPERATURE								PRECIPITATION			Days with 0 1 or more	No. of fair days	No. of auroras	No of thunderstorms	No. of fogs.
	°	′	°	′		Mean	Difference from average	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month					
NOVA SCOTIA—																					
Advocate	5	1	64	46	.....	.....	......	3	....	....	......	.....	....	......	......	....	..	..	..	..	..
Annapolis Royal	......		......		.....	28.8	—	1	59.0	2	2.0	26	15.5	3.23	—	0.90	6	25	..	..	..
Antigonish	45	38	61	69	50	23.6	—	5	60.0	2	—12.0	25-27	19.0	—	—	—	—	—	..	..	..
Berwick	45	5	64	50	.....	......	......	1	....	.....	......	....	....	......	......	....	..	..	..	..	..
Bridgetown	......		.....		.....	26.2	—	1	59.0	14	1.6	26	14.5	3.05	—	0.66	10	21	..	..	2
Digby	.....		......		.....	26.1	— 9.9	23	54.0	2-15	2.0	26-27	14.2	2.32	—0.83	1.18	6	26	..	..	1
Halifax	44	39	63	36	88	22.4	— 7.0	40	55.2	1	—14.2	27	24.5	4.32	—1.37	1.13	11	20	..	..	1
Kentville	45	3	64	36	40	20.3	—	3	49.0	1-2	—10.0	27	13.0	2.45	—	0.69	10	21	..	..	..
Kentville (2)	......		......		....	23.1	—	2	56.0	1	— 6.0	25	14.0	2.69	—	0.68	9	22	..	..	..
Liverpool	44	0	64	40	50	26.4	—	2	59.0	2	— 5.0	25	20.1	6.58	—	1.99	8	23	..	..	..
Middleton	....		.. ...		.....	24.9	—	1	59.5	2	1.0	13-26	17.8	2.67	—	0.84	6	25	..	..	1
Nappan	45	46	64	34	.....	20.2	—	2	51.0	1	—17.0	27	13.9	1.46	—	0.67	5	26	..	..	..
New Germany	44	30	64	42	.....	25.7	—	3	59.0	1	— 4.0	12	14.6	4.27	—	1.30	7	24	..	..	1
Parrsboro'	45	23	64	19	40	......	....	17	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Port Hastings	45	39	61	22	45	......	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
*Sable Island, E. Pt.	43	58	59	46	25	33.0	— 6.7	31	51.0	2	16.0	26	—	1.90	—	0.50	7	24	..	.	1
Sable Island (Main Station)	43	57	60	6	25	32.6	— 3.6	24	51.0	14	12.0	27	9.2	6.38	+0.99	1.16	14	17	..	..	2
Sutherland's River	......		......		.....	......	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
Sydney	46	10	60	10	35	26.3	— 2.9	41	51.5	1	4.5	24	12.6	1.92	—3.77	0.40	10	21	..	..	..
Truro	45	22	63	18	77	20.6	— 4.3	42	59.5	1	—29.5	26	18.0	3.62	—1.05	0.83	11	20	..	.	3
Truro (2)	45	25	63	15	.....	20.9	—	3	54.0	1	—26.0	26	16.0	1.82	—	0.82	6	25	..	..	..
Whitehead	45	15	61	8	20	25.9	— 4.9	31	50.0	2	0.0	25-26	13.1	0.87	—3.52	0.30	4	27	..	..	1
Windsor	44	59	64	6	90	24.2	— 2.3	12	53.0	1	— 9.5	27	14.6	1.63	—2.39	0.83	8	23	..	..	..
Wolfville	45	7	64	20	136	25.1	— 1.7	15	54.3	1	— 2.3	29	13.0	2.63	—1.34	0.66	11	20	..	..	..
Yarmouth	43	50	66	2	65	29.2	— 2.1	34	53.3	2	5.6	26	12.7	3.80	—0.95	0.93	16	15	..	..	2
P. E. ISLAND—																					
Charlottetown	46	14	63	10	38	23.2	— 2.0	39	47.0	3-4	— 9.0	25	11.5	1.58	—2.16	0.35	7	24	..	..	1
Charlottetown (Exp. Farm)	46	14	63	7	75	22.7	—	5	50.0	1	—10.0	25-27	12.8	2.02	—	0.65	8	23	..	..	..
Hamilton	46	25	63	48	.....	..	......	..	...	.....	......	.....	....	......	......	....	..	..	..	..	..
Summerside	46	18	63	51	.....	......	......	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
NEWFOUNDLAND—																					
*Amour Point	51	28	56	51	.....	......	......	..	...	.....	......	.....	....	......	......	....	..	..	..	..	..
Burin	47	0	55	10	27	28.3	—	6	44.0	2-21	6.0	27	17.4	6.28	—	1.25	17	14	..	..	..
*Cape Norman	51	38	55	52	.....	4.7	—12.5	30	21.0	4	—12.0	26	—	2.85	+0.22	0.50	10	21	..	..	..
Fogo	49	43	54	17	30	.....	— 5.6	..	....	.....	......	.....	....	......	......	....	..	..	..	..	..
*Point Riche	50	42	57	25	35	16.6	— 5.6	30	35.0	2-20	— 4.0	27	—	0.20	—2.08	0.20	1	30	..	..	..
Port aux Basques	47	35	59	10	27	24.6	—	6	40.5	14-15	8.5	24	8.9	4.63	—	1.16	20	11	..	..	..
St. George's	48	28	58	25	.....	28.3	—	27	42.7	21	11.4	23	11.5	3.05	—	0.80	15	16	..	..	2
St. John's	47	34	52	42	125	24.8	— 4.1	41	47.0	20	6.0	27	10.8	1.76	—3.68	0.50	8	23	..	..	..
BERMUDA—																					
Prospect	32	17	64	46	151	67.0	+ 2.1	23	76.4	6	56.0	17	10.7	10.46	+5.48	1.68	17	14	..	..	..

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING DEC., 1914.

STATIONS.	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches.	No of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month.	Date.	Amount in inches.	No. of Days.	Heaviest Fall in Month.	Date	
British Columbia—										
Alkali Lake	...	...	...	...	...	...	...	...	...	
Annis (Canoe Point)	0.16	2	16	0.13	3	11.0	13	2.0	6	
Beaver Lake (Royal Oak)	0.86	8	23	0 40	24	...	...	...	...	
Coquitlam	3.23	8	23	0.92	27	...	...	...	...	
Denman's Island	4.60	10	19	2 03	1	2 5	2	2.0	19	
Ferguson	0 00	...	...	...	...	28.0	8	9.0	21	
Goldstream Lake	1 63	9	29	0 40	26	1 0	2	0.5	14-20	
Hurnby Island	2.48	8	22	0.61	31	3.0	1	3.0	14	
Hydraulic	...	...	...	...	...	...	...	...	...	
Invermere	...	...	...	...	...	...	...	...	...	
Jordan River	2.42	11	20	0.76	27	...	...	...	...	
Jordan River (Bear Creek)	3.64	11	18	0 89	1	0.3	13	0.1	1-14-20	
Little Qualicum (Fr.Cr.V.I.)	2.02	4	27	0.70	1	S	1	S	19	
Lumby	0.00	...	...	...	...	6.8	6	1.8	27	
Nans Harbour	0 80	5	22	0.28	21	13.8	4	6.0	30	
Queen Charlotte City	3.03	13	18	0.83	21	...	...	...	...	
Rock Creek	0.00	...	...	...	...	9 0	4	3.0	2	
Sandwick	3.44	11	19	0.85	31	3.0	2	2.0	18	
Sooke Lake	1.85	9	21	0.53	25	1.0	1	1.0	19	
Stamps Falls (Alberni)	...	...	...	...	...	...	...	...	...	
Wycliffe	...	...	...	...	...	...	...	...	...	
Alberta—										
Bardo	...	...	...	...	...	...	...	...	...	
Beaver Mines	0 00	...	...	...	...	2.0	1	2.0	5	
Bismark	...	...	...	...	...	...	...	...	...	
Bittern Lake	0 00	...	...	...	...	14 3	11	2 8	3	
Brooks	R	...	...	...	...	7.0	3	3.5	5	
Bruederheim	...	...	...	...	...	...	...	...	...	
Caldwell (Spring Hill)	0.00	...	...	...	...	6.0	3	3.0	4	
Claresholme	0 00	...	...	...	...	8 0	2	4.0	5 25	
Clarinda	0.00	...	...	...	...	20.0	7	3 0	18-26	
Coalspur	...	...	...	...	...	...	...	...	...	
Coleman	0.00	...	...	...	...	7.0	7	3.0	3	
Conjuring Creek	...	...	...	...	...	...	...	...	...	
Cree Bank Ranch (Cowley)	0 00	...	...	...	...	8 5	7	2.0	5-7	
Dorenlee (Bashaw)	...	...	...	...	...	...	...	...	...	
Dunstable (Five Lakes)	0.00	...	...	...	...	9.8	15	2.8	23	
Grassy Lake	0.00	...	...	...	...	5 5	3	3.0	8	
Jumping Pound	...	...	...	...	...	...	...	...	...	
Kinnaird	...	...	...	...	...	...	...	...	...	
La Pearl	...	...	...	...	...	...	...	...	...	
Lethbridge	0.00	...	...	...	...	12.0	5	4.0	26	
Lineham	0.00	...	...	...	...	11 3	3	4.3	25	
Lyndon	0.00	...	...	...	...	6.0	2	4.0	25	
Macleod	...	...	...	...	...	...	...	...	...	
Maycroft	0.00	...	...	...	...	6.8	7	1.7	5	
Mountain View	0.00	...	...	...	...	4.5	2	3 0	4	
Nanton	0.00	...	...	...	...	5.0	3	2.0	4 13	
Nateby	...	...	...	...	...	...	...	...	...	
Ponoka	0.00	...	...	...	...	22.6	9	6.0	22	
Roycroft Ranch (Manaville)	...	...	...	...	...	...	...	...	...	
Seven Persons	0.00	...	...	...	...	4.3	3	1 8	25	
Waterton Mills	0.00	...	...	...	...	6.5	4	3 0	4	
Saskatchewan—										
Fort a la Corne	0.00	...	...	...	...	2.0	6	0.5	10	
Gull Lake	...	...	...	...	...	4.0	1	4.0	7	
Gull Lake (Fks. Swift Cur.)	0 00	...	...	...	...	9.3	8	2.0	31	
Macdonald (Pine Forest Res)	...	...	...	...	...	...	...	...	...	
Wapashoe	0.00	...	...	...	...	6.0	10	1.8	8	
Manitoba—										
Cartwright	...	...	...	...	...	...	...	...	...	
Deloraine	0.00	...	...	...	...	3.5	7	1.0	28	
Rapid City	0.00	...	...	...	...	2 5	4	1.3	26	
Ontario—										
Bow Park Farm (Brantford)	...	...	...	...	...	...	...	...	...	
Deer Park	0.20	2	22	0.16	2	14.3	7	4.3	21	
Dutton	...	...	...	...	...	...	...	...	...	
Emsdale	0.12	1	22	0.12	2	17.5	8	4.0	18-22	
Fort Frances	...	...	...	...	...	...	...	...	...	
Grand Valley	0.45	2	21	0.35	1	14.5	8	3 5	21	
Grantham	0.16	1	20	0.16	3	14.5	10	3 0	21-25	
Lac Seul Post	0 00	...	...	...	...	3.0	3	1.5	21	
Long Lake (Zeta)	...	...	...	...	...	...	...	...	...	
MacCue	0.94	1	28	0.94	2	8 0	2	6 0	21	
Niagara Falls	0.09	2	24	0.08	2	16 5	5	8.0	24	
Nipigon	...	...	...	...	...	...	...	...	...	
Point Clark	...	...	...	...	...	...	...	...	...	
Rock Chapel (Grimsby)	0.91	3	22	0.42	1	21.0	7	5.0	21	
Strathroy	...	...	...	...	...	...	...	...	...	
Sudbury	0.13	2	20	0.09	2	17 0	9	6 0	29	
Sydenham	0.96	1	27	0.96	2	9 0	3	6 0	14	
Watford	0.00	...	...	...	...	Not Measured				
Wawaitin Falls	...	...	...	...	...	...	...	...	...	
Westminster	0 00	...	...	...	...	19 0	4	8 0	21	
Westport	1 05	2	25	0 65	2	10 0	4	6 0	14	
White Fish	0 00	...	...	...	...	2 4	8	0.4	18 28	
Wiarton	0.13	1	17	0.13	3	52	13	11.0	24	

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING DEC., 1914.

STATIONS	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches	No. of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month	Date	Amount in inches	No. of Days.	Heaviest Fall in Month	Date	
QUEBEC—										
Kipawa Dam	0.03	....	....	....	....	15.1	7	4.9	29	
Lucerne	0.58	1	27	0.58	2	14.5	3	6.0	22	
Point Madelene (Grandes Piles)	....	....	....	....	....	....	....	....	....	
Perkins Mills	0.70	1	26	0.70	2	21.0	4	7.0	12	
Quinze Dam	....	....	....	....	....	....	....	....	....	
NEW BRUNSWICK—										
Point Escuminac	0.43	3	24	0.25	14	12.4	5	7.1	22	
NOVA SCOTIA—										
Milton	4.96	4	24	2.00	14	15.3	3	6.5	11	
South Alton	....	....	....	....	....	....	....	....	....	
White Rock	....	....	....	....	....	....	....	....	....	

PRESSURE, HUMIDITY, CLOUDINESS AND WIND AT STATIONS OF THE FIRST CLASS DURING THE MONTH OF DEC., 1914.

a Barometer not reduced to sea level

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Pressure.				Mean relative humidity	Mean amount of cloud.	No. of days completely clouded.	Direction of Wind from										Velocity of Wind.		
				Mean reduced.	Highest.	Lowest.	Range.				N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	Total number of observations.	Mean miles per hour.	Maximum velocity.	Date and direction from.
British Columbia—	° ′	° ′																					
Atlin	59 35	133 38	2240	30.23	30.87	29.62	1 25	—	7	10	4	41	2	4	7	0	0	3	1	62	8.6	22	16SE
Barkerville	53 2	121 35	4180	30.0.	30.40	29.43	0 97	—	5	10	0	0	0	0	0	0	0	0	0	62	......	......	......
Entrance Island	......	. ..	...	30 02	30 45	29.48	0 97	—	7	9	0	0	22	0	11	0	28	1	0	62	14.1	39	2E
Kamloops	50 42	120 29	1245	30 18	30 60	29.45	1.15	84	6	10	0	0	9	3	9	5	10	2	24	62	1 3	9	16S
a Nanaimo	49 10	123 37	125	30.03	30.44	29 50	0.94	—	6	13	0	0	0	10	7	5	7	13	20	62	.....	.....	......
Prince Rupert	54 18	130 18	170	29 98	30.33	29 35	0 97	72	4	8	3	2	2	1	1	0	0	0	53	62	.....	......	......
a Tranquille	50 41	120 29	. .	28.89	29.40	28.47	0.93	83	7	10	17	8	9	2	0	1	4	0	21	62	2 4	17	19W
Triangle Island	50 52	129 5	680	...	..	...	....	....	...	..	...	...	...	...	...	...	...	...	...	..	.....	......	..
Vancouver	49 17	123 5	136	30.06	30 50	29.51	0.99	89	6	10	3	4	23	3	3	1	1	4	20	62	2 7	12	1SE
Victoria	48 24	123 19	85	30.05	30 47	29.50	0.97	87	6	9	29	12	11	7	0	1	2	0	0	62	11 4	49	1SE
Yukon—																							
Dawson	64 4	139 20	1200	30.28	30.87	29.65	1.22	—	3	1	1	0	0	0	2	1	0	0	58	62	......	......	......
Alberta—																							
Banff	51 10	115 34	4542	30.21	30.69	29.74	0.95	77	4	2	0	2	1	2	2	14	6	2	33	62	......	......	.....
Calgary	51 2	114 2	3389	30.11	30.70	29 58	1.12	83	4	6	0	3	0	11	1	2	1	28	16	62	3.4	19	27NW
Edmonton	53 33	113 30	2158	30 13	30.72	29 59	1.13	88	6	10	3	7	6	2	7	10	5	9	13	62	......	......	......
Medicine Hat	50 1	110 37	2161	30.15	30.70	29.65	1.05	90	7	8	3	3	2	2	0	20	7	12	13	62	......	......	. ....
Saskatchewan—																							
Battleford	52 41	108 20	1620	30.19	30.68	29.63	1.05	—	6	11	0	0	1	15	0	2	6	12	26	62	......	......	......
Moose Jaw	50 21	105 35	1759	30 24	30.75	29.73	1.02	—	6	12	3	2	8	2	0	5	3	9	6	62	......	......	......
Prince Albert	53 10	106 0	1432	30.16	30.77	29.50	1.27	93	4	0	3	4	9	2	0	5	13	7	19	62	...	......	......
Qu'Appelle	50 30	103 47	2115	30.16	30.72	29.62	1.10	87	6	11	0	8	6	3	5	8	8	16	8	62	7.2	26	18NW
Swift Current	50 20	107 45	2439	30 15	30.66	29.70	0.96	94	7	7	3	5	5	6	5	15	15	6	2	62	10.4	40	31NW
Manitoba—																							
Le Pas	53 49	101 15	860	30.30	31.02	29 68	1.44	82	6	12	2	7	9	0	5	1	32	5	1	62	7.5	29	18W
Minnedosa	59 15	99 50	1699	30.21	30.78	29.65	1 13	93	5	5	1	6	3	3	1	2	10	18	18	62	.....	...	......
Winnipeg	49 53	97 7	760	30 23	30.80	29.62	1.17	95	5	5	9	2	2	11	13	10	12	22	12	93	9 6	25	1-12NW
Ontario—																							
Cochrane	49 2	81 0	946	30.17	30.75	29.40	1.35	84	5	9	3	5	1	5	11	10	14	12	1	62	8 2	23	15NW
Haileybury	47 29	79 39	687	30.18	30.73	29 39	1 34	87	6	8	8	1	1	6	9	10	6	11	10	62	......	.....	....
Kingston	44 13	76 29	285	30 17	30 60	29.36	1 24	86	8	12	6	14	2	5	7	16	9	3	0	62	12.9	39	21SE
a Lindsay	44 20	78 45	872	29.16	29 56	28.44	1.12	—	7	10	2	11	11	7	6	24	11	12	9	93	.....	.....	.....
London	42 59	81 13	808	30.12	30 52	29.30	1.22	89	7	14	0	23	0	18	0	23	0	29	0	93	.....	......	......
Ottawa	45 26	75 42	294	30 17	30 69	29.24	1.45	94	6	10	7	8	13	0	3	6	12	9	4	62	.....	.....	....
Parry Sound	45 19	80 0	635	30.13	30.60	29 31	1 29	91	8	10	1	15	4	10	1	10	5	13	3	62	9 8	30	15SW
Port Arthur	48 27	89 12	644	30.18	30 64	29.62	1.02	82	5	5	17	2	7	0	3	1	41	22	0	93	10.2	30	13NW
Port Stanley	42 40	81 13	592	30.17	30 59	29.41	1.18	83	8	19	1	14	0	8	1	4	16	12	6	62	......	...	....
Southampton	44 30	81 21	656	30.13	30 61	29.28	1 33	91	9	24	3	13	10	3	10	0	10	12	1	62	14.8	42	14NW
Stonecliff	46 9	78 6	557	30 16	30 71	29 39	1.32	—	5	7	2	0	5	5	2	2	9	2	35	62	2.4	18	22W
Toronto	43 40	79 24	350	30.17	30.55	29.53	1 02	84	7	14	4	14	1	2	4	19	11	7	0	62	16 6	40	14SW
White River	48 35	85 16	1252	30.11	30.57	29.45	1.12	—	6	12	10	1	1	1	6	1	6	7	29	62	4.7	17	21W
Woodstock	43 8	80 47	980	—	—	—	—	—	—	—	3	26	1	5	4	41	6	7	0	93	12.9	30	29SW
Quebec—																							
Anticosti S.W. Pt.	49 24	63 35	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Father Point	48 31	68 19	20	30.08	30.75	29.15	1.60	72	6	8	1	6	3	3	6	6	20	17	1	62	17.3	59	15SW
Harrington Harbour	50 40	59 19	...	....	...	...	..	....	...	..	...	...	...	...	...	...	...	...	...	...	.....	.....	......
Montreal	45 30	73 35	187	30.16	30.72	29.16	1 56	61	6	6	1	19	3	6	7	17	21	17	2	93	18 6	......	....
Quebec	46 48	71 13	296	30.13	30.74	29 11	1.63	76	5	9	0	27	1	0	0	27	31	3	4	93	13.4	48	14NE
Sherbrooke	45 32	72 5	620	30.19	30.71	29.10	1.61	74	5	1	11	0	14	11	14	6	35	2	0	93	......	......	......
New Brunswick—																							
Chatham	47 3	65 29	21	30.12	30.72	29 33	1 39	70	3	4	2	3	2	6	0	11	30	6	2	62	......	......	..
Fredericton	45 57	66 36	164	30.15	30.73	29 04	1.69	81	4	6	8	4	5	4	0	9	26	26	11	93	7.9	34	23W
St. John	46 17	66 4	70	30 12	30.68	29.08	1.60	72	4	4	12	3	3	7	7	5	28	26	2	93	14.8	50	14E
Nova Scotia—																							
Halifax	44 39	63 36	88	30.11	30 65	29.33	1.32	88	6	5	8	12	8	4	2	2	4	21	1	62	13.1	42	14SW
Sable Island (MStation)	43 57	60 6	25	30.11	30.68	29.44	1.24	—	8	13	9	12	6	5	5	13	26	15	2	93	23.4	59	10NE
Sydney	46 10	60 10	35	30.06	30.59	29.20	1.39	84	8	13	16	9	2	4	3	3	18	32	6	93	20.4	45	16-22 [NW
Truro	45 22	63 18	77	30 11	30.64	29.23	1.41	—	6	8	9	12	8	4	1	8	26	11	14	93	......	.....	
Truro (2)	45 25	63 15	.....	—	—	—	—	—	—	—	3	5	4	3	3	3	21	6	0	48	.....	.....	.....
Wolfville	45 7	64 20	135	30.11	30 61	29.27	1.34	—	7	10	2	6	7	2	5	0	20	9	2	62	12.0	48	13SE
Yarmouth	43 50	66 2	65	30.13	30.65	29 23	1.32	78	7	15	3	12	10	2	6	4	3	22	0	62	14.1	38	14SW
P. E. Island																							
Charlottetown	46 14	63 10	38	30.08	30 64	29.24	1.40	81	6	10	5	6	5	2	3	4	26	8	4	62	9.2	30	14SE
Newfoundland																							
Burin	47 0	55 10	27	29.99	30.47	28 97	1.50	—	—	—	5	3	3	5	0	7	12	27	0	62	......	......	......
Fogo	49 43	54 17	30	....	....	....	....	...	....	...	....	....	....	....	....	....	....	....	..	...	......	......	......
Port aux Basques	47 35	59 10	27	29 98	30.54	29.04	1.50	—	9	26	6	7	5	3	2	3	19	17	0	62	......	......	......
St. George's	48 27	58 31	21	30.00	30.59	29.01	1.58	67	9	14	4	4	5	4	1	11	1	32	0	62	......	......	......
St. John's	47 34	52 42	125	29.87	30 32	29.02	1.30	78	6	11	15	4	1	4	9	9	4	11	6	62	......	......	.....
Bermuda																							
Prospect	32 17	64 46	151	30.14	30.40	29.84	0.56	87	7	5	7	10	5	10	19	26	6	10	0	93	......	......	......

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS AT STATIONS OF THE SECOND CLASS, DURING THE MONTH OF DECEMBER, 1914

STATION	DIRECTION OF WIND FROM									
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	Total number of Observations
ALBERTA—										
Athabasca Landing	3	1	9	0	3	4	7	4	0	31
Beaver Lodge	6	2	3	2	2	0	4	42	1	62
Didsbury	0	0	0	6	2	5	12	6	0	31
Halkirk (Emsburg)	2	3	2	16	8	8	7	16	0	62
Hillsdown	0	8	0	14	4	0	1	18	17	62
Loveland	0	6	4	7	3	15	9	18	0	62
Macleod	0	0	7	0	0	0	35	0	20	62
Ranfurly (Waitefield)	5	13	10	14	8	4	7	25	7	93
Sion	8	3	1	31	10	10	25	8	0	96
SASKATCHEWAN—										
Brownhill (Grenfell)	1	11	4	11	3	7	1	24	0	62
Chaplin	0	3	10	15	2	4	22	3	3	62
Crescent Lake	5	8	3	3	3	8	8	23	1	62
Estevan	0	2	10	3	0	5	9	0	2	31
Fort Qu'Appelle	1	0	23	9	0	1	17	9	2	62
Indian Head	5	9	14	4	12	11	4	29	5	93
Kamsack	......	......	......	......	......	......	......	......	......	......
Larchmount (Pambrum)	1	16	4	4	1	2	9	25	0	62
Muenster (St. Peter's Monastery)	6	7	3	10	3	13	11	9	0	62
Onion Lake	1	2	10	6	4	5	2	1	0	31
Pense (Gatesgarth)	0	6	7	2	0	3	2	11	0	31
Waseca	0	11	4	2	0	2	8	4	0	31
Yarbo (Fairfield)	......	......	......	......	......	......	......	......	......	......
MANITOBA—										
Berens River	......	......	......	......	......	......	......	......	......	......
Brandon	0	11	13	4	0	8	16	20	6	78
Hillview	8	21	5	1	4	9	3	42	0	93
Moose Horn Bay (Aitkensville)	14	8	1	0	5	7	2	16	9	62
Morden	20	3	2	1	4	13	8	1	10	62
Oak Bank	7	0	0	1	11	5	9	20	9	62
Stony Mountain	7	4	3	6	12	4	12	12	0	62
ONTARIO—										
Agincourt	3	17	8	3	2	32	12	12	1	90
Alton	15	4	17	2	2	3	49	1	0	93
Beatrice	7	3	3	8	17	3	1	15	36	93
Birnam	......	......	......	......	......	......	......	......	......	......
Brucefield	1	4	14	3	12	7	15	6	0	62
Cottam	11	0	8	2	9	8	21	3	0	62
Guelph	2	21	0	5	2	12	18	23	1	84
Gravenhurst	5	6	21	15	10	9	4	10	13	93
North Bruce	......	......	......	......	......	......	......	......	......	......
Orillia	5	3	1	1	10	6	4	1	0	31
Port Dover	4	5	1	4	2	3	8	2	2	31
Stoney Creek	4	20	1	6	2	46	12	2	0	93
Wexford	2	3	3	2	0	11	3	6	1	31
QUEBEC—										
Abitibi	9	5	13	8	15	9	22	11	1	93
Anticosti, Heath Point	......	......	......	......	......	......	......	......	......	......
Anticosti, West Point	......	......	......	......	......	......	......	......	......	......
Bicquet	4	6	0	0	22	23	4	29	5	93
Brome	15	8	3	1	11	15	35	2	0	90
Cape Chatte	1	1	2	2	0	4	59	2	22	93
Cape Magdalen	2	1	2	3	21	3	7	52	2	93
Cap Rouge	6	9	0	0	0	0	0	16	0	31
Cedars	......	......	......	......	......	......	......	......	......	......
Chicoutimi	0	14	0	4	0	3	2	38	32	93
Clarke City	......	......	......	......	......	......	......	......	......	......
NEW BRUNSWICK—										
Dalhousie	1	0	3	1	2	1	20	1	0	29
Moncton	0	6	0	2	1	2	0	19	0	30
Pt. Lepreaux	4	20	1	4	0	8	3	41	0	81
Sussex	0	5	0	1	0	2	7	3	13	31
NOVA SCOTIA—										
Kentville	6	3	6	6	3	3	28	7	0	62
Liverpool	2	5	2	2	0	1	11	8	0	31
Sable Island, E. Pt.	4	17	0	13	2	15	0	42	0	93
Whitehead	7	2	4	1	0	7	4	6	0	31

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF NOV. 1914.

STATION.	Hours Ending																	
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.
British Columbia																		
Shawnigan Lake	....	....	....	....	....	.16	.27	.30	.33	.32	.28	.21	.11	....	....	....	....	....
Victoria	....	....	....	....	....	.09	.30	.42	.45	.52	.51	.39	.06	....	....	....	....	....
Salmon Arm	....	....	....	....	....	....	.08	.08	.11	.12	.15	.15	.06	.01	....	....	....	....
Nanaimo	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sidney	....	....	....	....	....	.11	.30	.43	.37	.40	.45	.28	....	....	....	....	....	....
Vancouver	....	....	....	....	....	.02	.17	.34	.39	.40	.38	.32	.14	....	....	....	....	....
Agassiz	....	....	....	....	....	....	.19	.43	.49	.49	46	.39	.14	T	....	....	....	....
Tranquille	....	....	....	....	....	.02	.12	.18	28	28	.27	.29	.07	....	....	....	....	....
Summerland	....	....	....	....	....	.11	.17	.22	.26	.18	.17	.05	....	....	....	....	....	....
Kelowna	....	....	....	....	.02	.07	.10	.19	.27	.31	.21	.14	.03	....	....	....	....	....
Kamloops	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Invermere	....	....	....	....	....	.03	.27	.46	54	.60	58	32	T	....	....	....	....	....
Alberta																		
Edmonton	....	....	....	....	....	.08	.16	.18	.28	.32	.32	.27	09	....	....	....	....	....
Lethbridge	....	....	....	....	....	.06	.25	.40	.55	.66	68	.58	.39	....	....	....	....	....
Lacombe	....	....	....	....	....	.04	.14	.17	.43	.46	.40	.30	.11	....	....	....	....	....
Medicine Hat	....	....	....	....	....	.04	.24	.33	.44	.45	.45	.31	.13	T	....	....	....	....
Fort Dunvegan	....	....	....	....	....	....	....	....	.01	.08	.08	.03	....	....	....	....	....	....
Fort Vermilion	....	....	....	....	....	....	.09	.25	.33	.38	40	.38	.11	....	....	....	....	....
Saskatchewan																		
Battleford	....	....	....	....	....	02	.15	.23	.31	.44	.31	.11	....	....	....	....	....	....
Qu'Appelle	....	....	....	....	....	03	.22	.40	.47	.49	.43	.31	.01	....	....	....	....	....
Indian Head	....	....	....	....	....	....	....	.03	.12	.29	.22	.09	....	....	....	....	....	....
Moosejaw	....	....	....	....	....	.07	.20	.32	.42	.41	.41	.36	.12	....	....	....	....	....
Scott	....	....	....	....	....	....	.07	.13	.19	.22	.20	.04	....	....	....	....	....	....
Rosthern	....	....	....	....	....	.03	.11	.17	.28	.31	31	.28	.12	....	....	....	....	....
Swift Current	....	....	....	....	....	.02	.11	.19	.31	.41	.41	.33	.17	.03	....	....	....	....
Manitoba																		
Brandon	....	....	....	....	.04	.28	.37	.42	.42	.45	.42	.25	.01	....	....	....	....	....
Winnipeg	....	....	....	....	....	.03	.19	.35	.44	.48	.46	.44	.29	....	....	....	....	....
Le Pas	....	....	....	....	....	....	.04	.25	.33	.39	.38	.38	.12	....	....	....	....	....
Ontario																		
Haileybury	....	....	....	....	....	.22	.42	.55	.63	.64	.63	.65	.37	....	....	....	....	....
Woodstock	....	....	....	....	....	.10	.22	.31	.26	.26	.27	.26	.19	01	....	....	....	....
Lindsay	....	....	....	....	....	....	.13	.16	.25	.25	.25	.21	.16	.02	....	....	....	....
Barrie	....	....	....	....	....	.05	.11	.17	.22	24	.25	.17	....	....	....	....	....	....
Guelph	....	....	....	....	....	.04	.21	.29	.28	.25	.22	18	17	.04	....	....	....	....
Toronto	....	....	....	....	....	.15	.25	.27	.29	28	.30	.31	.20	.02	....	....	....	....
Kingston	....	....	....	....	.01	.14	.29	.31	.34	.35	.31	.32	.24	.02	....	....	....	....
Ottawa	....	....	....	....	....	.22	.31	.38	.43	.43	45	.41	.32	.01	....	....	....	....
Quebec																		
Montreal	....	....	....	....	....	.16	39	.41	.47	.45	.47	.31	.19	....	....	....	....	....
Cap Rouge	....	....	....	....	....	.13	.30	.35	.30	.39	41	.37	.22	....	....	....	....	....
Quebec	....	....	....	....	....	.16	.43	.48	.50	.55	52	.42	.27	....	....	....	....	....
Ste. Anne de la Pocatiere	....	....	....	T	.29	.39	.52	.50	.49	.46	46	.31	.01	....	....	....	....	....
Sherbrooke	....	....	....	....	....	.07	.26	.36	.45	.47	.39	30	.14	.01	....	....	....	....
New Brunswick																		
Fredericton	....	....	....	....	01	.39	.59	.60	63	63	63	.58	.44	.05	....	....	....	....
Prince Edward Island																		
Charlottetown	....	....	....	....	....	.21	.29	.34	.45	.48	52	45	.34	01	....	....	....	....
Nova Scotia																		
Nappan	....	....	....	....	.04	30	38	.43	46	.49	58	.51	36	.01	....	....	....	....
Wolfville	....	....	....	....	....	.20	25	.31	.41	.40	.45	.47	.33	05	....	....	....	....
Kentville	....	....	....	....	10	.24	32	36	.42	.41	.44	35	.09	....	....	....	....	....

SUMMARY OF SUNSHINE RECORDS

DEC., 1914	Shawnigan Lake	Victoria.	Salmon Arm.	Sidney	Vancouver.	Agassiz.	Tranquille.	Summerland.	Kelowna.	Kamloops.	Invermere.	Edmonton.	Lethbridge.	Lacombe.	Medicine Hat.
Registered duration in hours...........	61	85	23	72	67	80	47	36	41	....	87	52	111	66	75
Percentage of possible duration	34	3	9	28	26	32	19	36	16	....	36	22	44	28	30
Difference from average	—	–12	—	—	—	+17	—	—	—	....	—	—	—	—	—
Maximum percentage in one day	82	81	62	75	85	74	80	74	84	....	75	94	85	87	94
Date of maximum..	13	16	19	10	12	11	10	11	23	....	17	2	13	20	16
Number of days completely clouded	17	9	21	12	13	10	13	18	18	....	5	20	4	15	8

DEC., 1914	Fort Dunvegan	Fort Vermilion	Battleford.	Qu'Appelle	Indian Head.	Moose Jaw.	Scott.	Rosthern.	Swift Current,	Brandon.	Winnipeg.	Le Pas	Haileybury.	Woodstock.	Lindsay.
Registered duration in hours...........	6	60	47	73	23	71	26	50	61	82	83	59	127	58	45
Percentage of possible duration	3	31	17	29	9	29	11	21	25	33	33	26	49	21	16
Difference from average	—	—	–16	—	–15	—	—	—	—	+ 1	+ 1	—	—	+ 2	– 5
Maximum percentage in one day	40	86	70	75	38	84	64	91	90	89	82	80	89	76	82
Date of maximum..	8	9	16-20	15	24	21	31	12	16	29	29	26	4-11-23	17	26
Number of days completely clouded	28	31	13	11	17	12	22	18	15	15	7	12	4	13	19

DEC., 1914	Barrie.	Guelph	Toronto.	Kingston.	Ottawa.	Montreal.	Cap Rouge.	Quebec.	Ste. Anne de la Pocatiere	Sherbrooke	Fredericton.	Charlottetown.	Nappan	Wolfville	Kentville
Registered duration in hours...........	37	52	64	72	92	89	76	103	103	78	141	96	110	91	85
Percentage of possible duration	13	19	23	26	34	35	29	39	39	29	52	36	41	34	31
Difference from average	+ 1	—	– 1	+ 2	+11	+ 9	—	+10	—	—	+16	—	—	—	—
Maximum percentage in one day	77	93	89	92	91	94	89	89	91	73	93	92	100	94	91
Date of maximum..	25	11	25	26	26	20	4	4	6	20	5-26-31	25	26	4-12	4-31
Number of days completely clouded	11	9	13	12	13	9	13	12	11	10	6	10	6	7	8

Auroras recorded:

1.
2.
3.
4.
5.
6.
7. Iroquois Falls.
8. Minnedosa, Fruitlands.
9. St. Albans III, Iroquois Falls, Chicoutimi, Mistassini IV.
10.
11. La Malbaie, Iroquois Falls, Sion IV.
12. St. Albans IV.
13.
14.
15.
16. St. Albans IV, Chilcotin II, Sion IV.
17. Waseca, Mistassini IV.
18. St. Albans III.
19. Muenster IV.
20.
21.
22.
23.
24. Brownhill II.
25.
26. Waseca.
27. Sioux Lookout, Ranfurly III, Campsie IV.
28. Edmonton I.
29.
30.
31.

FORECASTS FOR DECEMBER, 1914

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

The number of these predictions issued during the month was 1293. These were divided as follows :

District.	No. Issued.	Verified.			
		No. Fully.	No. Partly.	No. Not.	Percentage.
Alberta	78	64	11	3	89.1
Saskatchewan	82	65	13	4	87.2
Manitoba	82	69	9	4	89.7
Lake Superior	113	98	9	6	90.7
Lower Lake Region	118	99	13	6	89.4
Georgian Bay	120	103	10	7	90.0
Ottawa Valley	112	91	13	8	87.1
Upper St. Lawrence	113	97	9	7	89.8
Lower St. Lawrence	113	93	8	12	85 8
Gulf	118	98	11	9	87 7
Maritime Provinces West	122	96	19	7	94 8
Maritime Provinces East	122	98	13	11	85.7
Total	1293	1671	138	84	88 2

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director.

Meteorological Office, Toronto,
February 6th, 1914.